

Product Datasheet

Twist-1 Antibody (10E4E6) - BSA Free NBP2-37364

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-37364

Twist-1 Antibody (10E4E6) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10E4E6
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	21 kDa

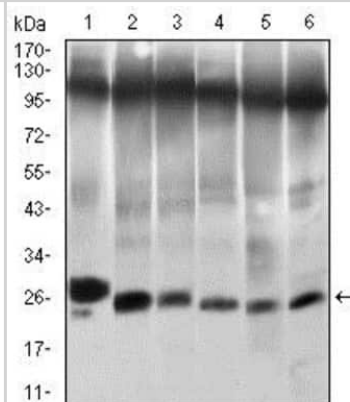
Product Description	
Description	Novus Biologicals Mouse Twist-1 Antibody (10E4E6) - BSA Free (NBP2-37364) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-Twist-1 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7291
Gene Symbol	TWIST1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human Twist-1 (AA: 9-74) expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Knockdown Validated
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, Flow (Intracellular), CyTOF-ready, Knockdown Validated
Application Notes	This antibody is CyTOF ready. Use in Knockdown Validated reported in scientific literature (PMID: 31113881).

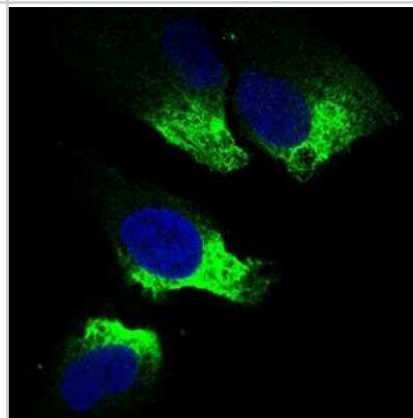


Images

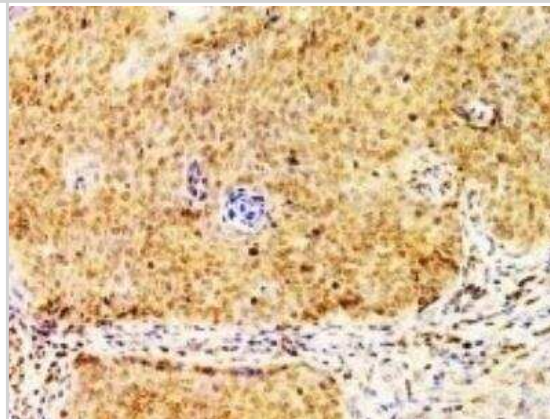
Western Blot: Twist-1 Antibody (10E4E6) [NBP2-37364] - Analysis using TWIST1 mouse mAb against NIH/3T3 (1), JURKAT (2), HELA (3), A549 (4), RAJI (5) and OCM-1 (6) cell lysate.



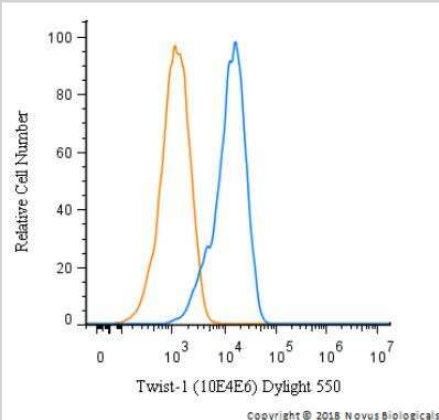
Immunocytochemistry/Immunofluorescence: Twist-1 Antibody (10E4E6) [NBP2-37364] - Analysis of HeLa cells using TWIST1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



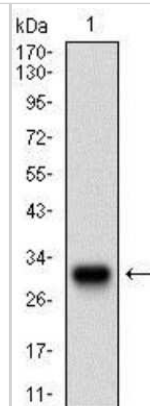
Immunohistochemistry-Paraffin: Twist-1 Antibody (10E4E6) [NBP2-37364] - IHC staining of paraffin-embedded squamous cell carcinoma sample using Twist-1 antibody at 1:100 dilution. IHC-P image submitted by a verified customer review.



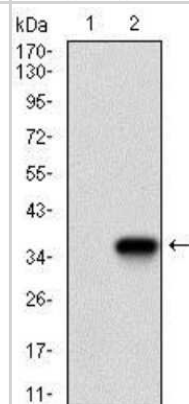
Flow Cytometry: Twist-1 Antibody (10E4E6) [NBP2-37364] - An intracellular stain was performed on SH-SY5Y cells with Twist-1 Antibody (10E4E6) NBP2-37364R (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Dylight 550.



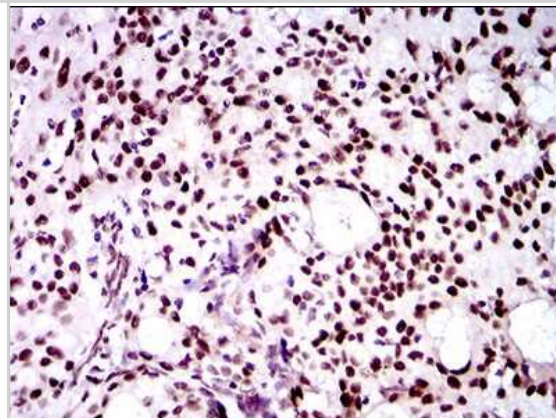
Western Blot: Twist-1 Antibody (10E4E6) [NBP2-37364] - Analysis using TWIST1 mAb against human TWIST1 recombinant protein. Expected MW is 31.9 kDa.



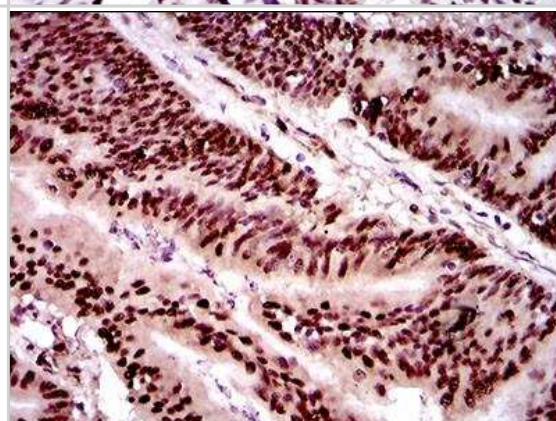
Western Blot: Twist-1 Antibody (10E4E6) [NBP2-37364] - Western blot analysis using TWIST1 mAb against HEK293 (1) and TWIST1 (AA: 9-74)-hlgGFc transfected HEK293 (2) cell lysate.



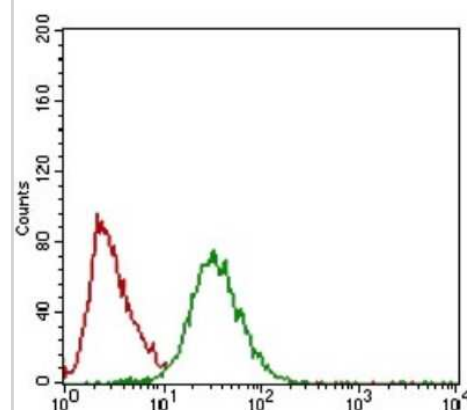
Immunohistochemistry-Paraffin: Twist-1 Antibody (10E4E6) [NBP2-37364] - Analysis of paraffin-embedded cervical cancer tissues using TWIST1 mouse mAb with DAB staining.



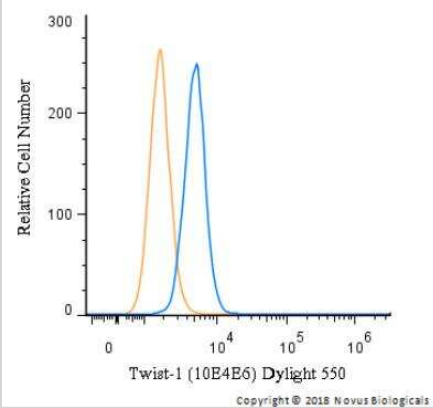
Immunohistochemistry-Paraffin: Twist-1 Antibody (10E4E6) [NBP2-37364] - Immunohistochemical analysis of paraffin-embedded colon cancer tissues using TWIST1 mouse mAb with DAB staining.



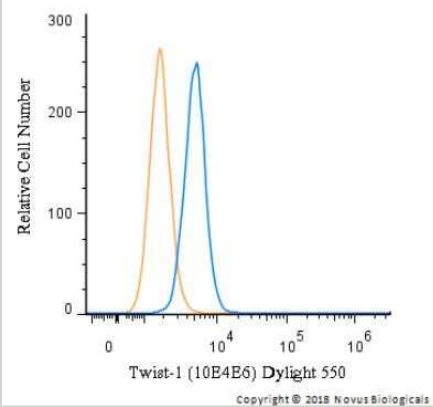
Flow Cytometry: Twist-1 Antibody (10E4E6) [NBP2-37364] - Analysis of HeLa cells using TWIST1 mouse mAb (green) and negative control (red).



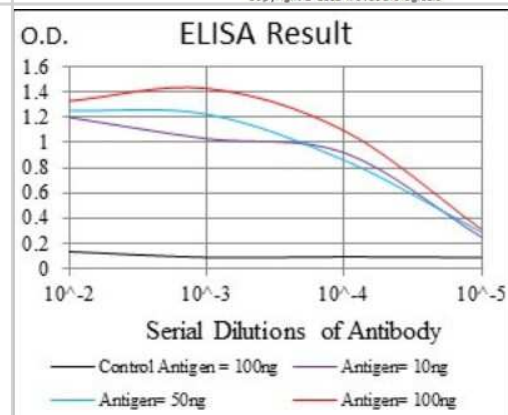
Flow Cytometry: Twist-1 Antibody (10E4E6) [NBP2-37364] - An intracellular stain was performed on HeLa cells with Twist-1 Antibody (10E4E6)NBP2-37364R (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Dylight 550.



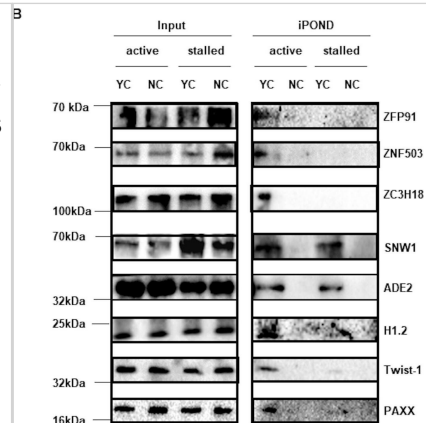
Flow (Intracellular): Twist-1 Antibody (10E4E6) [NBP2-37364] - An intracellular stain was performed on HeLa cells with Twist-1 Antibody (10E4E6)NBP2-37364R (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Dylight 550. Image from the DyLight 550 version of this antibody.



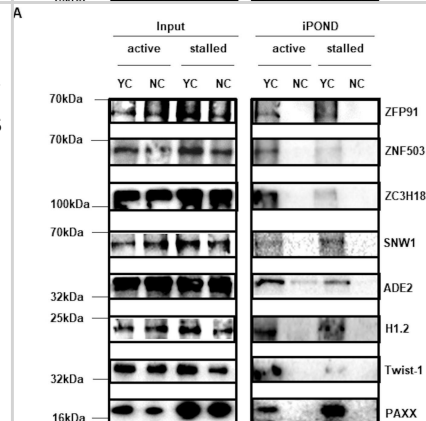
ELISA: Twist-1 Antibody (10E4E6) [NBP2-37364] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western Blot: Twist-1 Antibody (10E4E6) - BSA Free [NBP2-37364] - Validation of novel candidates at cellular DNA replication forks. BL cells (A) & LCL (B) cells were labeled with EdU for 15 min (active) followed by exposure to HU for 2 hours (stalled) prior to performing iPOND. Samples isolated by iPOND & 0.1% input samples were subjected to immunoblotting with indicated antibodies. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31841561>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: Twist-1 Antibody (10E4E6) - BSA Free [NBP2-37364] - Validation of novel candidates at cellular DNA replication forks. BL cells (A) & LCL (B) cells were labeled with EdU for 15 min (active) followed by exposure to HU for 2 hours (stalled) prior to performing iPOND. Samples isolated by iPOND & 0.1% input samples were subjected to immunoblotting with indicated antibodies. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31841561>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Debarpan Mitra, Depanwita Saha, Gaurav Das, Rimi Mukherjee, Samir Banerjee, Neyaz Alam, Saunak Mitra Mustafi, Partha Nath, Anuj Majumder, Biswanath Majumder, Nabendu Murmu Lupeol synergizes with 5-fluorouracil to combat c-MET/EphA2 mediated chemoresistance in triple negative breast cancer *iScience* 2023-11-04 [PMID: 38047085]

Seok Han B, Ko S, Seok Park M et Al. Lidocaine combined with general anesthetics impedes metastasis of breast cancer cells via inhibition of TGF- β /Smad-mediated EMT signaling by reprogramming tumor-associated macrophages *Int Immunopharmacol* 2024-09-22 [PMID: 39312860]

Pu, T;Wang, J;Wei, J;Zeng, A;Zhang, J;Chen, J;Yin, L;Li, J;Lin, TP;Melamed, J;Corey, E;Gao, AC;Wu, BJ; Stromal-derived MAOB promotes prostate cancer growth and progression *Science advances* 2024-02-09 [PMID: 38335292]

Morris HT, Bamlet WR, Razidlo GL, Machesky LM FSCN1 and epithelial mesenchymal transformation transcription factor expression in human pancreatic intraepithelial neoplasia and ductal adenocarcinoma *Pathology, research and practice* 2023-10-02 [PMID: 37832352] (IHC, Human)

Details:

Dilution 1:400

Chakraborty A, Halder B, Mondal S et al. NADPH oxidase 1 in chronic pancreatitis-activated pancreatic stellate cells facilitates the progression of pancreatic cancer *e-century.us* 2023-01-30 [PMID: 36777508]

Han BS, Jung KH, Lee JE et al. Lidocaine enhances the efficacy of palbociclib in triple-negative breast cancer *American journal of cancer research* 2022-07-15 [PMID: 35968350] (WB, Human)

Carstens JL, Yang S, Correa de Sampaio P et al. Stabilized epithelial phenotype of cancer cells in primary tumors leads to increased colonization of liver metastasis in pancreatic cancer *Cell reports* 2021-04-13 [PMID: 33852841]

Li J, Pu T, Yin L et al. MAOA-mediated reprogramming of stromal fibroblasts promotes prostate tumorigenesis and cancer stemness *Oncogene* 2020-02-17 [PMID: 32066880] (IF/IHC, WB, IP)

Xu G, Yamamoto N, Nojima T, et al. Novel replisome-associated proteins at cellular replication forks in EBV-transformed B lymphocytes *PLoS Pathog.* 2019-12-01 [PMID: 31841561] (WB)

Yim SH, Clish CB, Gladyshev VN Defining Reprogramming Checkpoints from Single-Cell Analyses of Induced Pluripotency *Cell Rep* 2019-05-07 [PMID: 31067459] (ICC/IF, Mouse)

Lopez JA Muscle development and regeneration controlled by AUF1-mediated stage-specific degradation of fate-determining checkpoint mRNAs *Proc. Natl. Acad. Sci. U.S.A.* 2019-05-21 [PMID: 31113881] (WB, IHC-P, KD, Mouse)





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Products Related to NBP2-37364

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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