

# Product Datasheet

## Twist-2 Antibody (3C8) - Azide and BSA Free H00117581-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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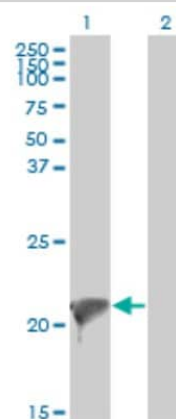
**H00117581-M01**

Twist-2 Antibody (3C8) - Azide and BSA Free

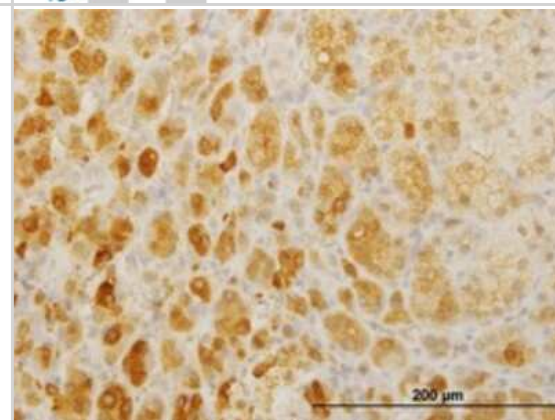
Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3C8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse Twist-2 Antibody (3C8) - Azide and BSA Free (H00117581-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and ChIP. Anti-Twist-2 Antibody: Cited in 14 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	117581
<b>Gene Symbol</b>	TWIST2
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	TWIST2 - twist homolog 2 (Drosophila)
<b>Immunogen</b>	TWIST2 (AAH33168, 1 a.a. ~ 160 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MEEGSSSPVSPVDSLGTSEEELERQPKRFGRKRRYSKKSSDGSPTPGKRGK KGSPSAQSFEELQSQRILANVRERQRTQSLNEAFAALRKIIPTLPSDKLSKIQTL KLAARYIDFLYQVLQSDMDNKMTSCSYVAHERLSYAFSVWRMEGSWSMSAS H
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
<b>Application Notes</b>	Antibody reactive against recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA.

## Images

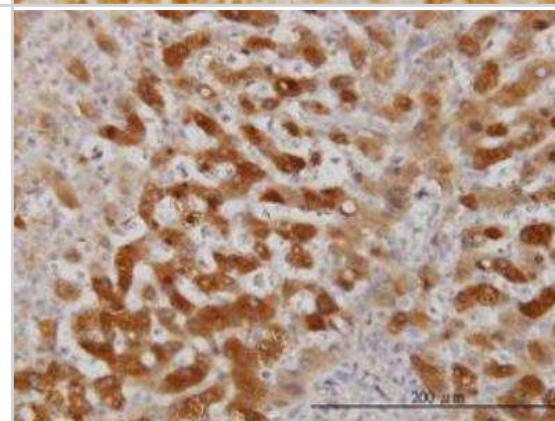
Western Blot: Twist-2 Antibody (3C8) [H00117581-M01] - Analysis of TWIST2 expression in transfected 293T cell line by TWIST2 monoclonal antibody (M01), clone 3C8. Lane 1: TWIST2 transfected lysate(18.1 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: Twist-2 Antibody (3C8) [H00117581-M01] - Analysis of monoclonal antibody to TWIST2 on formalin-fixed paraffin-embedded human adrenal gland. Antibody concentration 3 ug/ml.



Immunohistochemistry-Paraffin: Twist-2 Antibody (3C8) [H00117581-M01] - Immunoperoxidase of monoclonal antibody to TWIST2 ( Cat # H00117581-M01 ) on formalin-fixed paraffin-embedded human liver. [antibody concentration 3ug/ml]



ELISA: Twist-2 Antibody (3C8) [H00117581-M01] - Detection limit for recombinant GST tagged TWIST2 is 0.3 ng/ml as a capture antibody.



## Publications

Jin K, Minji P, Jungyoon O et al. Twist2-driven chromatin remodeling governs the postnatal maturation of dermal fibroblasts. *Cell Rep.* 2022-05-17 [PMID: 35584664]

Sunsook H, Changjin L, Kyungsoo P et al. Twist2 Promotes CD8 + T-cell Differentiation by Repressing ThPOK Expression. *Cell Death Differ.* 2020-05-18 [PMID: 32424141]

Zhang J, Lin X, Wu L et al. Aurora B induces epithelial-mesenchymal transition by stabilizing Snail1 to promote basal-like breast cancer metastasis. *Oncogene.* 2020-01-29 [PMID: 31996785]

Radnaa E, Richardson L, Goldman B Et al. Stress signaler p38 mitogen-activated kinase activation: a cause for concern? *Clin Sci (Lond)* 2022-10-17 [PMID: 36250628] (CyTOF-ready, Human)

### Details:

Citation using the Azide and BSA Free version of this antibody.

Singh M, Venugopal C, Tokar T et al. RNAi screen identifies essential regulators of human brain metastasis-initiating cells. *Acta Neuropathol* 2017-08-01 [PMID: 28766011]

Oh S, Oh J, Lee C et al. Expression of Twist2 is controlled by T-cell receptor signaling and determines the survival and death of thymocytes. *Cell Death Differ* 2016-07-08 [PMID: 27391798]

Fang X, Cai Y, Liu J et al. Twist2 contributes to breast cancer progression by promoting an epithelial-mesenchymal transition and cancer stem-like cell self-renewal. *Oncogene.* 2011-05-23 [PMID: 21602879]

Plasilova M, Chattopadhyay C, Ghosh A et al. Discordant Gene Expression Signatures and Related Phenotypic Differences in Lamin A-and A/C-Related Hutchinson-Gilford Progeria Syndrome (HGPS). *PLoS One.* 2011-06-27 [PMID: 21738662]

Mao Y, Zhang N, Xu J et al. Significance of heterogeneous twist2 expression in human breast cancers. *PLoS One.* 2012-10-25 [PMID: 23133563]

Rodrigues IS, Lavorato-Rocha AM, de M Maia B et al. Epithelial-mesenchymal transition-like events in vulvar cancer and its relation with HPV. *Br J Cancer.* 2013-06-18 [PMID: 23778524]

Yu H, Jin GZ, Liu K et al. Twist2 is a valuable prognostic biomarker for colorectal cancer. *World J Gastroenterol.* 2013-04-21 [PMID: 23613636] (IF/IHC, Human)

Carvalho ST, Stiepcich MM, Fregnani JH et al. Evaluation of prognostic factors in stage IIA breast tumors and their correlation with mortality risk *Clinics (Sao Paulo)* 2011-01-01 [PMID: 21655754] (IF/IHC, Human)

More publications at <http://www.novusbio.com/H00117581-M01>





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### **Products Related to H00117581-M01**

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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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **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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