

Product Datasheet

Dityrosine Antibody (10A6) - BSA Free NBP2-59361

Unit Size: 100 ug

Store at -20C.

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Updated 9/9/2025 v.20.1

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NBP2-59361

Dityrosine Antibody (10A6) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C.
Clonality	Monoclonal
Clone	10A6
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

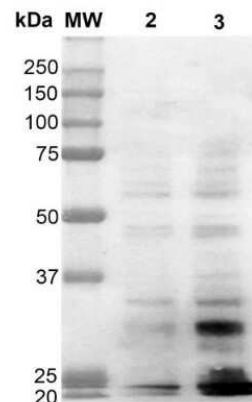
Product Description	
Description	Novus Biologicals Mouse Dityrosine Antibody (10A6) - BSA Free (NBP2-59361) is a monoclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	Specific for dityrosine modified proteins. Does not cross-react with 3,5-dibromotyrosine or bromotyrosine modified proteins.
Immunogen	Synthetic Dityrosine conjugated to Keyhole Limpet Hemocyanin (KLH).

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:50, ELISA 1:1000, Immunocytochemistry/ Immunofluorescence 1:50

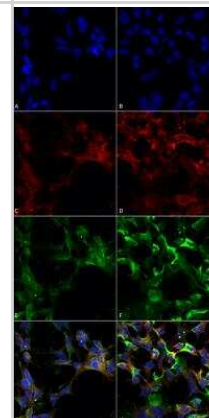


Images

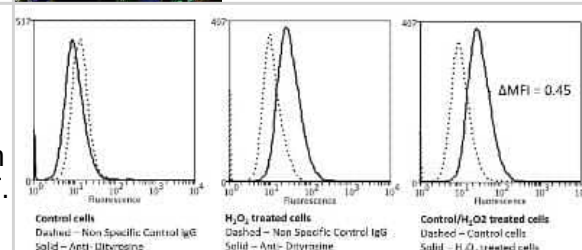
Western Blot: Dityrosine Antibody (10A6) [NBP2-59361] - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Dityrosine protein using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysate. Lane 3: H₂O₂ treated HeLa cell lysate. Load: 12 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT.



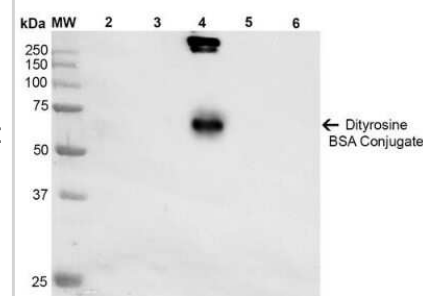
Immunocytochemistry/Immunofluorescence: Dityrosine Antibody (10A6) [NBP2-59361] - Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Localization: Cytoplasmic. Magnification: 20X (2X Zoom). (A,C,E,G) - Untreated. (B,D,F,H) - Cells cultured overnight with 50 uM H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Dityrosine Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Flow Cytometry: Dityrosine Antibody (10A6) [NBP2-59361] - Flow Cytometry analysis using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:50 for 30 min on ice. Secondary Antibody: Goat Anti-Mouse: PE at 1:100 for 20 min at RT. Isotype Control: Non Specific IgG. Cells were subject to oxidative stress by treating with 250 M H₂O₂ for 24 hours.



Western Blot: Dityrosine Antibody (10A6) [NBP2-59361] - Western Blot analysis of Dityrosine-BSA Conjugate showing detection of 67 kDa Dityrosine protein using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 10A6 (NBP2-59361). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA. Lane 3: 3,5-Dibromotyrosine-BSA. Lane 4: Dityrosine-BSA. Lane 5: Bromotyrosine-BSA. Lane 6: 7-ketocholesterol-BSA. Load: 1 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (NBP2-59361) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.





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Products Related to NBP2-59361

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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