

Product Datasheet

Hexanoyl-Lysine adduct Antibody (5E8) - BSA Free NBP2-59363

Unit Size: 100 ug

Store at -20C.

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NBP2-59363

Hexanoyl-Lysine adduct Antibody (5E8) - BSA Free

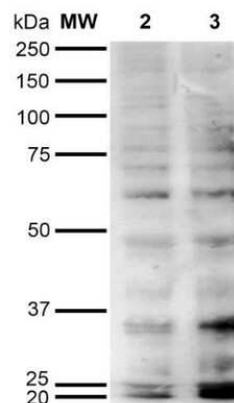
Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C.
Clonality	Monoclonal
Clone	5E8
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Description	Novus Biologicals Mouse Hexanoyl-Lysine adduct Antibody (5E8) - BSA Free (NBP2-59363) 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 Hexanoyl-Lysine adduct (HEL) modified peptides and proteins. Does not detect free Hexanoyl-Lysine. Does not cross-react with Acrolein, Crotonaldehyde, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal, Malondialdehyde, or Methylglyoxal modified proteins.
Immunogen	Synthetic Hexanoyl modified Keyhole Limpet Hemocyanin (KLH).

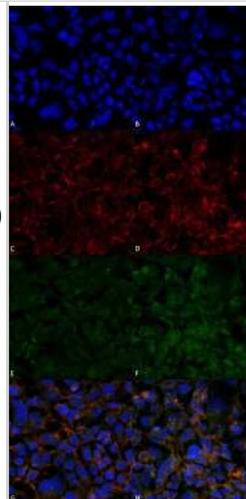
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:50, ELISA 1:1000, Immunocytochemistry/ Immunofluorescence 1:50

Images

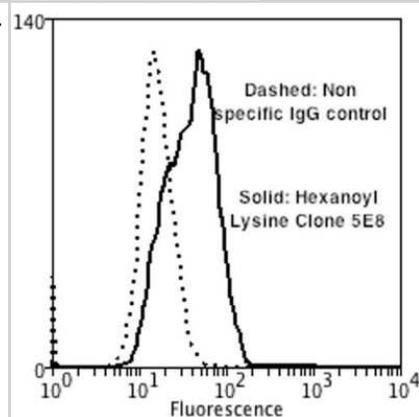
Western Blot: Hexanoyl-Lysine adduct Antibody (5E8) [NBP2-59363] - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hexanoyl-Lysine adduct protein using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5E8 (NBP2-59363). Lane 1: Molecular Weight Ladder (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-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59363) 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.



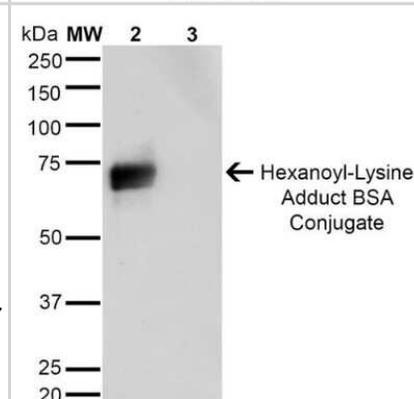
Immunocytochemistry/Immunofluorescence: Hexanoyl-Lysine adduct Antibody (5E8) [NBP2-59363] -
 Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5E8 (NBP2-59363). Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59363) 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. Magnification: 20X (2X Zoom). (A,C,E,G) - Untreated. (B,D,F,H) - Cells cultured overnight with 50 M H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alexa Fluor 633 F-Actin stain. (E,F) Hexanoyl-Lysine adduct Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



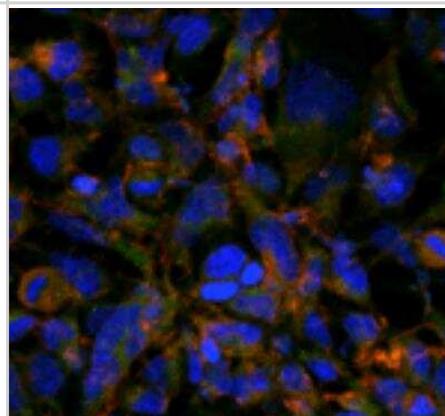
Flow Cytometry: Hexanoyl-Lysine adduct Antibody (5E8) [NBP2-59363] -
 Flow Cytometry analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5E8 (NBP2-59363). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59363) 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.



Western Blot: Hexanoyl-Lysine adduct Antibody (5E8) [NBP2-59363] -
 Western Blot analysis of Hexanoyl Lysine-BSA Conjugate showing detection of 67 kDa Hexanoyl-Lysine adduct protein using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5E8 (NBP2-59363). Lane 1: Molecular Weight Ladder (MW). Lane 2: Hexanoyl Lysine-BSA. Lane 3: BSA. Load: 0.5 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59363) 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.



Immunocytochemistry/Immunofluorescence: Hexanoyl-Lysine adduct Antibody (5E8) [NBP2-59363] - Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct 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. Magnification: 20X (2X Zoom). Courtesy of: Dr. Robert Burke, University of Victoria.





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Products Related to NBP2-59363

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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