Product Datasheet

Hexanoyl-Lysine adduct Antibody (5D9) - BSA Free
NBP2-59362

Unit Size: 100 ug

Store at -20C.

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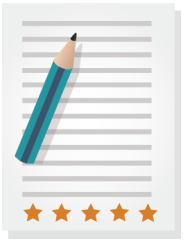
Updated 9/9/2025 v.20.1



NBP2-59362

Hexanoyl-Lysine adduct Antibody (5D9) - 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	5D9
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description

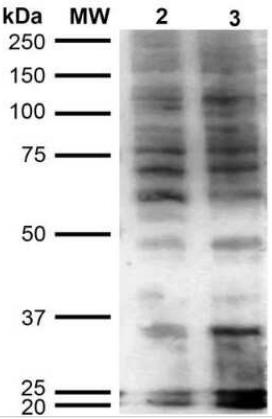
Description	Novus Biologicals Mouse Hexanoyl-Lysine adduct Antibody (5D9) - BSA Free (NBP2-59362) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Non-species specific
Specificity/Sensitivity	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

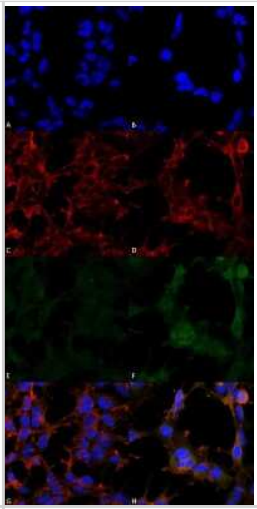
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:50, ELISA 1:1000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin

Images

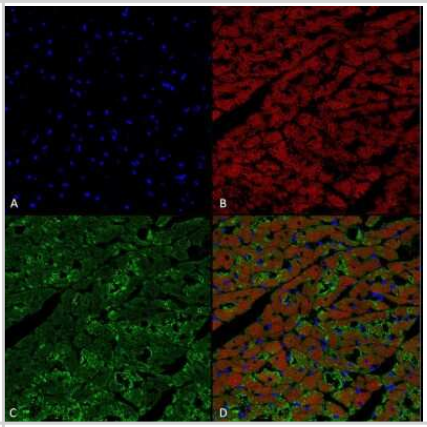
Western Blot: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hexanoyl-Lysine adduct protein using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Lane 1: Molecular Weight Ladder (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 (NBP2-59362) 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.



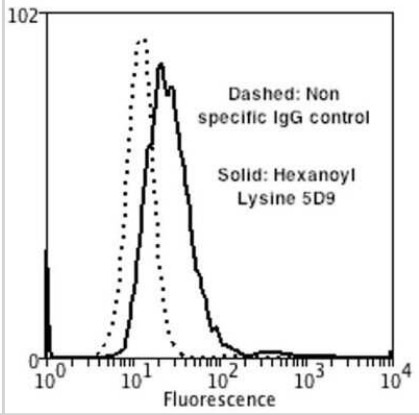
Immunocytochemistry/Immunofluorescence: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59362) 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.



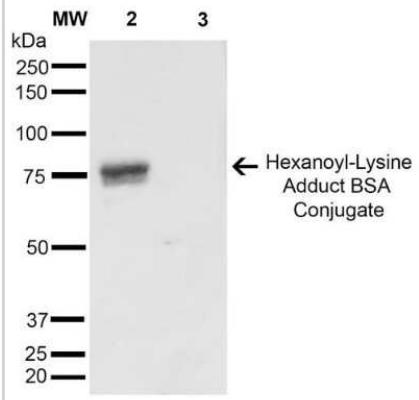
Immunohistochemistry: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Immunohistochemistry analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Tissue: Heart. Species: Rat. Fixation: Formalin fixed, paraffin embedded. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59362) at 1:25 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: Alexa Fluor 488. Counterstain: DAPI (blue) nuclear stain. Magnification: 63X. (A) DAPI (blue) nuclear stain. (B) Actin (C) Hexanoyl-Lysine adduct Antibody (D) Composite.



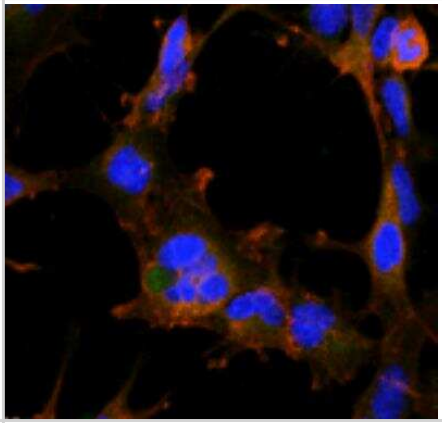
Flow Cytometry: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Flow Cytometry analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59362) 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.



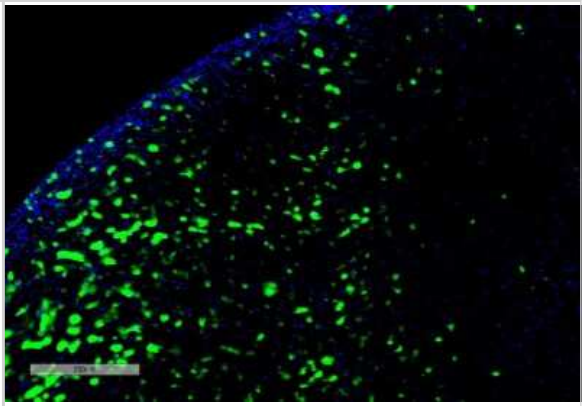
Western Blot: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Western Blot analysis of Hexanoyl Lysine-BSA Conjugate showing detection of 67 kDa Hexanoyl-Lysine adduct protein using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Lane 1: Molecular Weight Ladder (MW). 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 (NBP2-59362) 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 (5D9) [NBP2-59362] - 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.



Immunohistochemistry: Hexanoyl-Lysine adduct Antibody (5D9) [NBP2-59362] - Immunohistochemistry analysis using Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody, Clone 5D9 (NBP2-59362). Tissue: Kidney. Species: Rat. Primary Antibody: Mouse Anti-Hexanoyl-Lysine adduct Monoclonal Antibody (NBP2-59362) at 1:100 for Overnight at 4C, then 30 min at 37C. Secondary Antibody: Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37C. Counterstain: DAPI for 3 min at RT. Magnification: 10X.



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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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