

Product Datasheet

HDAC3 Antibody - BSA Free NB500-126

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB500-126

HDAC3 Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	12.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.9% Sodium Azide
Isotype	IgG
Purity	IgG purified
Buffer	10mM PBS (pH 7.4)
Target Molecular Weight	50 kDa

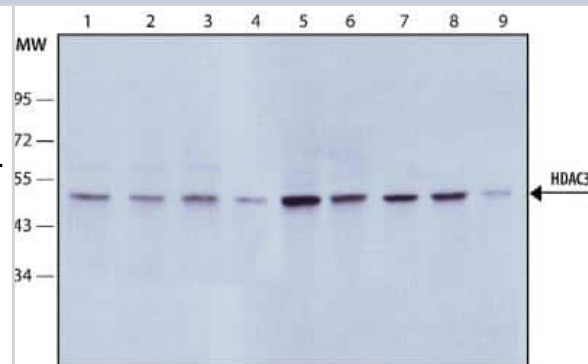
Product Description	
Host	Rabbit
Gene ID	8841
Gene Symbol	HDAC3
Species	Human, Mouse, Rat
Specificity/Sensitivity	Anti-Histone Deacetylase 3 specifically recognizes histone deacetylase 3 by immunoblotting and immunoprecipitation (50 kD).
Immunogen	Synthetic peptide: C-NEFYDGGDHDNDKESDVEI conjugated to KLH, corresponding to amino acids 411-428 of human and chicken HDAC3.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:2500, Immunohistochemistry-Paraffin 1:500, Microarray
Application Notes	An additional band of lower molecular weight may be detected in some cell line extracts by immunoblotting. Staining of HDAC3 by immunoblotting is specifically inhibited with the immunizing peptide. The product is also useful for the detection of HDAC3 by immunohistochemistry. The epitope(s) recognized by the antibody is resistant to routine formalin-fixation and paraffin-embedding. The antibody reacts with HDAC3 of human, rat, and mouse origin

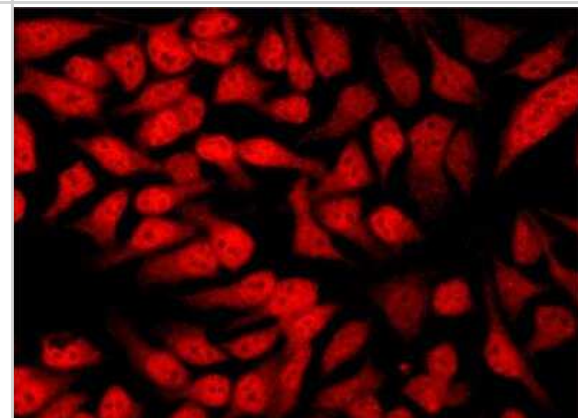


Images

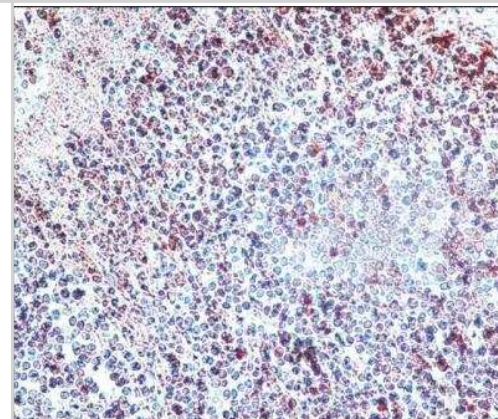
Western Blot: HDAC3 Antibody - BSA Free [NB500-126] - Cell line lysates were separated on SDS-PAGE and probed with 1:5,000 Rabbit Anti-HDAC3. The antibody was developed using Goat Anti-Rabbit IgG-Peroxidase and a chemiluminescent substrate. Lanes: 1. HEK-293T; 2. HeLa; 3. K562; 4. COS-7; 5. CHO; 6. NIH-3T3; 7. Neuro-2a; 8. PC-12; 9. NRK



Immunocytochemistry/Immunofluorescence: HDAC3 Antibody - BSA Free [NB500-126] - HeLa cells were fixed and permeabilized with cold methanol followed by cold methanol:acetone. Fixed cells were stained with 1:200 Rabbit Anti-HDAC3. The antibody was developed using Goat Anti-Rabbit IgG, Cy3 conjugate.



Immunohistochemistry: HDAC3 Antibody - BSA Free [NB500-126] - Formalin-fixed, paraffin-embedded section of lymph node stained with 1:500 Anti-Histone Deacetylase 3 (HDAC3) antibody produced in Rabbit followed by Anti-Rabbit IgG (whole molecule)-Biotin antibody produced in Goat and by ExtrAvidin(R)-Peroxidase



Publications

Wang F, Gao Y, Xue S et al. SCARB2 drives hepatocellular carcinoma tumor initiating cells via enhanced MYC transcriptional activity Nat Commun 2023-09-22 [PMID: 37739936]

Hernández-Carralero E, Cabrera E, Rodríguez-Torres G et al. ATXN3 controls DNA replication and transcription by regulating chromatin structure Nucleic acids research 2023-03-27 [PMID: 36971114] (ICC/IF, Human)

Tanaka H, Muto A, Shima H et al. Epigenetic Regulation of the Blimp-1 Gene in B Cells Involves Bach2 and Histone Deacetylase 3 J. Biol. Chem. 2016-01-19 [PMID: 26786103] (IP, Mouse)

Furuya, F, C J Guigon et al. Nuclear Receptor Corepressor Is a Novel Regulator of Phosphatidylinositol 3-Kinase Signaling. 27: 6116-6126. 2007-01-01 [PMID: 17606624]

Li J et al. Expression functional characterization of recombinant human HDAC1 HDAC3. Life Sci 74:2693-705. 2004-01-01 [PMID: 15043985]

Yang SH, Sharrocks AD SUMO promotes HDAC-mediated transcriptional repression. Mol Cell 13:611-7. 2004-01-01 [PMID: 14992729]

Glaser KB et al. Role of class I class II histone deacetylases in carcinoma cells using siRNA. Biochem Biophys Res Commun 310:529-36. 2003-01-01 [PMID: 14521942]

Grozinger CM et al. Three proteins define a class of human histone deacetylases related to yeast Hda1p. Proc Natl Acad Sci U S A 96:4868-73. 1999-01-01 [PMID: 10220385]

Hassig CA et al. A role for histone deacetylase activity in HDAC1-mediated transcriptional repression. Proc Natl Acad Sci U S A 95:3519-24. 1998-01-01 [PMID: 9520398]





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NB800-PC1	HeLa Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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