

Rabbit HDAC4+5+9 Polyclonal Antibody | anti-HDAC4 antibody

HDAC4+5+9 antibody

CATALOG # AAA107887	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

HDAC4+5+9; Polyclonal Antibody; HDAC4+5+9 antibody; Polyclonal HDAC4+5+9; Anti-HDAC4+5+9; HDAC+5+9 4; HDAC9; HDAC+5+9-4; Histone deacetylase; HDAC4/HDAC5/HDAC9; HDAC5; HDAC4; anti-HDAC4 antibody

PRODUCT SPECIFICATIONS

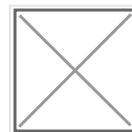
Host	Rabbit
Clonality	Polyclonal
Purity/Purification	HDAC4/HDAC5/HDAC9 antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1084
Applicable Applications for anti-HDAC4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	Histone deacetylases are a class of enzymes that remove acetyl groups (O=C-CH ₃) from an e-N-acetyl lysine amino acid on a histone. This is important because DNA is wrapped around histones, and DNA expression is regulated by acetylation and de-acetylation. Its action is opposite to that of histone acetyltransferase. HDAC proteins are now also called lysine deacetylases, to describe their function rather than their target, which also includes non-histone proteins.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	HDAC4+5+9 antibody was raised in Rabbit using the peptide sequence around aa 244~248/257~261/218~222 (T-A-S-E-P) derived from Human HDAC4/HDAC5/HDAC9 as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC4/HDAC5/HDAC9 antibody (left) or the same antibody preincubated with blocking peptide (right)



WB (Western Blot)

Western Blot analysis of extracts from 293 and Hela cells using HDAC4/HDAC5/HDAC9 antibody



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using HDAC4/HDAC5/HDAC9 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC4 antibody	Rabbit polyclonal HDAC4+5+9 antibody
Product Categories/Family for anti-HDAC4 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	153085395
NCBI GeneID	9759
NCBI Accession #	NP_006028.2
NCBI GenBank Nucleotide #	NM_006037.3
UniProt Accession #	P56524 ; Q86YH7 ; Q9UND6 ; E9PGB9 ; F5GX36
Molecular Weight	106,367 Da
NCBI Official Full Name	histone deacetylase 4
NCBI Official Synonym Full Names	histone deacetylase 4
NCBI Official Symbol	HDAC4
NCBI Official Synonym Symbols	HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A
NCBI Protein Information	histone deacetylase 4
UniProt Protein Name	Histone deacetylase 4
UniProt Gene Name	HDAC4
UniProt Synonym Gene Names	KIAA0288; HD4
UniProt Entry Name	HDAC4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hdac459-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/107887>