

Rabbit anti-Human HDAC4 Polyclonal Antibody | anti-HDAC4 antibody

HDAC4 Antibody

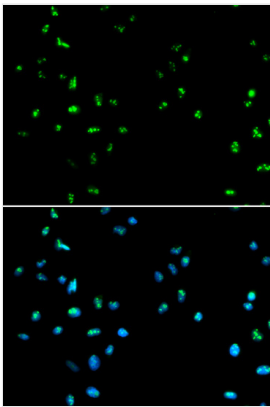
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29652	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

HDAC4; Polyclonal Antibody; HDAC4 Antibody; HA6116; HD4; HDAC-A; HDACA; anti-HDAC4 antibody

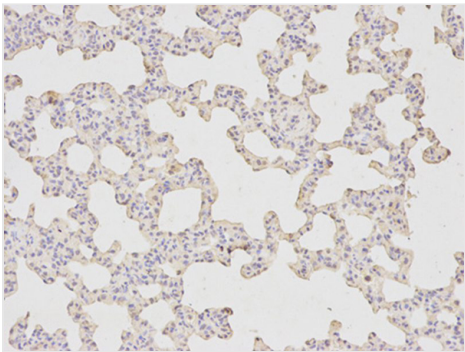
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total HDAC4 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1084
Applicable Applications for anti-HDAC4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), ChIP (Chromatin Immunoprecipitation)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunoprecipitation: 1:20 - 1:100 Chromatin immunoprecipitation: 1:20 - 1:100
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human HDAC4.
Target Name	HDAC4
Preparation and Storage	Store at -20 degree C



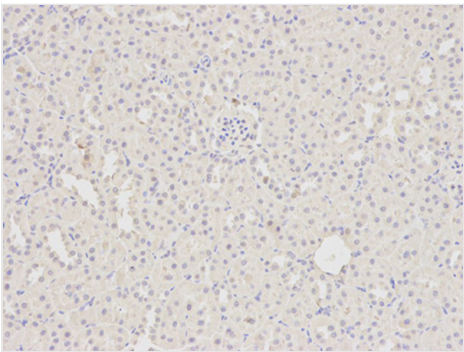
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cell using HDAC4 antibody. Blue: DAPI for nuclear staining.



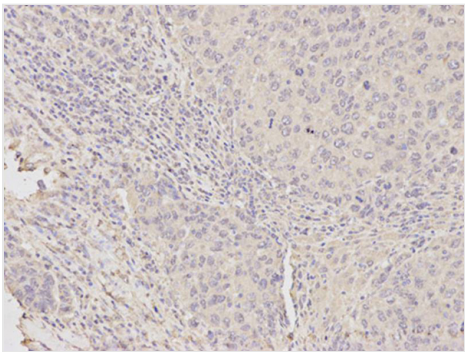
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat lung using HDAC4 antibody at dilution of 1:200 (200x lens).



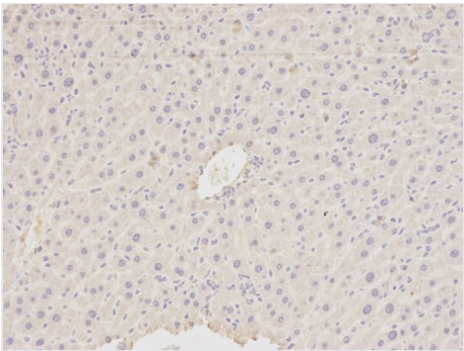
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat kidney using HDAC4 antibody at dilution of 1:200 (200x lens).



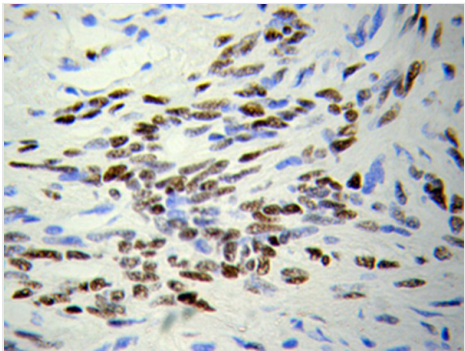
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse liver using HDAC4 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver cancer using HDAC4 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded H-lung using HDAC4 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC4 antibody

Acetylation of the histone tail causes chromatin to adopt an "open" conformation, allowing increased accessibility of transcription factors to DNA. The identification of histone acetyltransferases (HATs) and their large multiprotein complexes has yielded important insights into how these enzymes regulate transcription (1,2). HAT complexes interact with sequence-specific activator proteins to target specific genes. In addition to histones, HATs can acetylate nonhistone proteins, suggesting multiple roles for these enzymes (3). In contrast, histone deacetylation promotes a "closed" chromatin conformation and typically leads to repression of gene activity (4). Mammalian histone deacetylases can be divided into three classes on the basis of their similarity to various yeast deacetylases (5). Class I proteins (HDACs 1, 2, 3, and 8) are related to the yeast Rpd3-like proteins, those in class II (HDACs 4, 5, 6, 7, 9, and 10) are related to yeast Hda1-like proteins, and class III proteins are related to the yeast protein Sir2. Inhibitors of HDAC activity are now being explored as potential therapeutic cancer agents (6,7).

Product Categories/Family for anti-HDAC4 antibody

Total protein Ab

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/hdac4-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-chromatin-immunoprecipitation-elisa/29652>