

Rabbit HDAC4 Polyclonal Antibody | anti-HDAC4 antibody

HDAC4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36698	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot

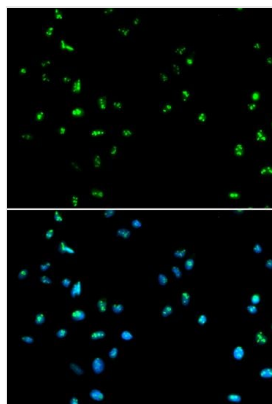
PRODUCT SYNONYMS

HDAC4; Polyclonal Antibody; HDAC4 Polyclonal Antibody; HA6116; HD4; HDAC-A; HDACA; KIAA0288; anti-HDAC4 antibody

PRODUCT SPECIFICATIONS

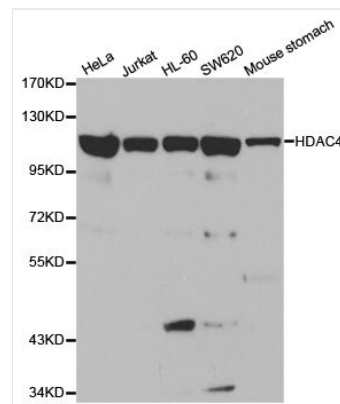
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	1084
Applicable Applications for anti-HDAC4 antibody	IF (Immunofluorescence), WB (Western Blot)
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Immunogen	A synthetic peptide of human HDAC4
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

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



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HDAC4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	259016348
NCBI GeneID	9759
UniProt Accession #	P56524; Q86YH7; Q9UND6; E9PGB9; F5GX36
Molecular Weight	Calculated MW: 106kDa/119kDa Observed MW: 117kDa
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; histone deacetylase A
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-immunofluorescence-western-blot-elisa/36698>