

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

HDAC4 (Ab-632) Antibody

CATALOG # AAA301689	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
-------------------------------	-----------------------	----------------------------	-------------------------------------

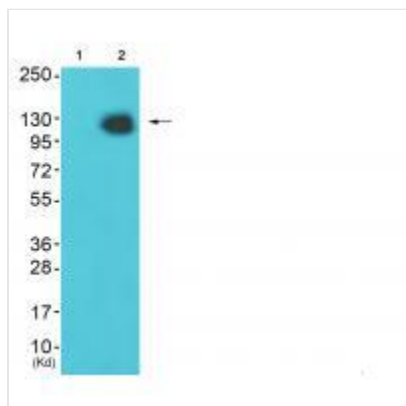
PRODUCT SYNONYMS

HDAC4; Polyclonal Antibody; HDAC4 (Ab-632) Antibody; HD4; Histone deacetylase 4; KIAA0288; anti-HDAC4 antibody

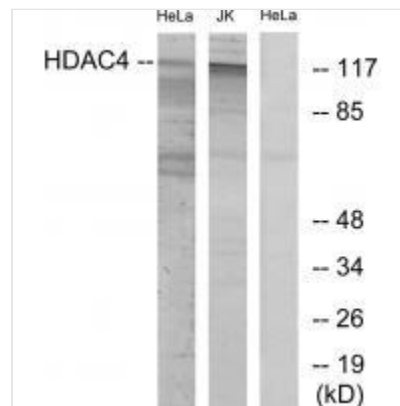
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HDAC4 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG 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)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human HDAC4 around the phosphorylation site of serine 632.
Target Name	HDAC4
Preparation and Storage	Store at -20 degree C

IMAGES


WB (Western Blot)

Western blot analysis of extracts from HeLa cells (Lane 2), using HDAC4 (Ab-632) antibody. The lane on the left is treated with synthesized peptide.


WB (Western Blot)

Western blot analysis of extracts from HeLa/Jurkat cells, using HDAC4 (Ab-632) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC4 antibody	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.Wang AH, et al. (2000) Mol Cell Biol. 20(18): 6904-6912.Grozinger CM, et al. (2000) Proc Natl Acad Sci U S A. 97(14): 7835-7840.
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.