

Rabbit HDAC5 Polyclonal Antibody | anti-HDAC5 antibody

HDAC5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303948	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

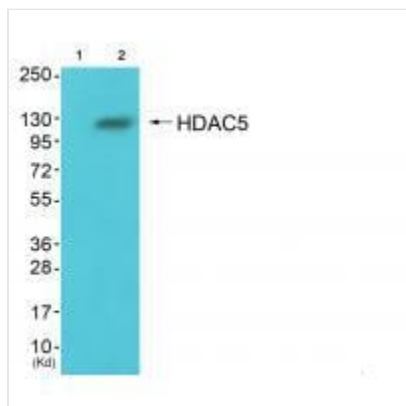
PRODUCT SYNONYMS

HDAC5; Polyclonal Antibody; HDAC5 Antibody; Histone deacetylase 5; HD5; Antigen NY-CO-9; anti-HDAC5 antibody

PRODUCT SPECIFICATIONS

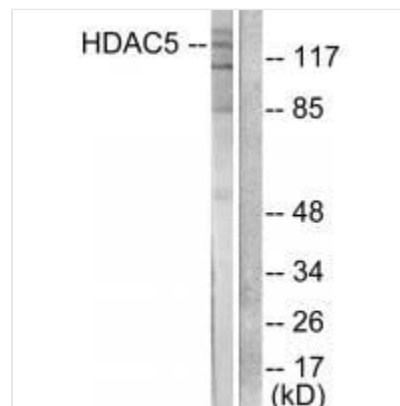
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HDAC5 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in 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	1123
Applicable Applications for anti-HDAC5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human HDAC5.
Target Name	HDAC5
Preparation and Storage	Store at -20 degree C

IMAGES



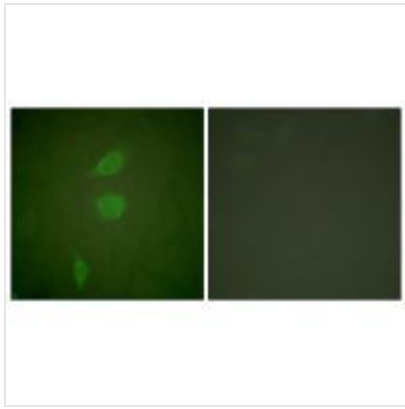
WB (Western Blot)

Western blot analysis of extracts from k562 cells (Lane 2), using HDAC5 antibody. The lane on the left is treated with synthesized peptide.



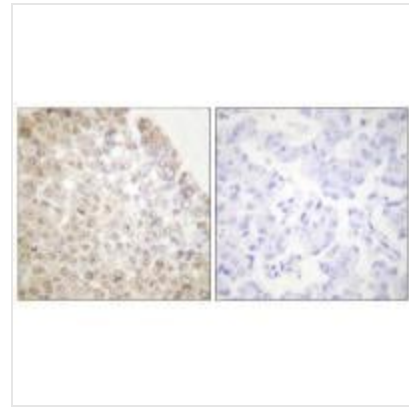
WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, treated with PMA (125ng/ml, 30mins), using HDAC5 antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells, using HDAC5 antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC5 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC5 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 by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. Claudie Lemerrier, J. Biol. Chem., May 2000; 275: 15594. Carmen C. Sucharov, Am J Physiol Cell Physiol, Nov 2006; 291: C1029 - C1037. Michael P. Czubryt, PNAS, Feb 2003; 100: 1711. Changhoon Ha, FASEB J, Apr 2007; 21: A528.
Product Categories/Family for anti-HDAC5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	62750349
NCBI GeneID	10014
NCBI Accession #	NP_001015053.1
NCBI GenBank Nucleotide #	NM_001015053.1
UniProt Accession #	Q9UQL6 ; O60340 ; O60528 ; Q96DY4 ; C9JFV9
Molecular Weight	122,049 Da
NCBI Official Full Name	histone deacetylase 5 isoform 3
NCBI Official Synonym Full Names	histone deacetylase 5
NCBI Official Symbol	HDAC5
NCBI Official Synonym Symbols	HD5; NY-CO-9
NCBI Protein Information	histone deacetylase 5
UniProt Protein Name	Histone deacetylase 5
UniProt Gene Name	HDAC5
UniProt Synonym Gene Names	KIAA0600; HD5
UniProt Entry Name	HDAC5_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/hdac5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/303948>