

Rabbit HDAC3 Polyclonal Antibody | anti-HDAC3 antibody

HDAC3 Antibody

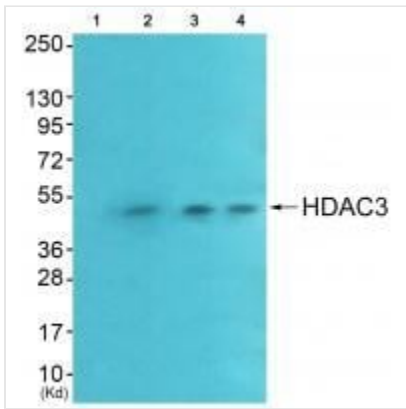
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307414	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

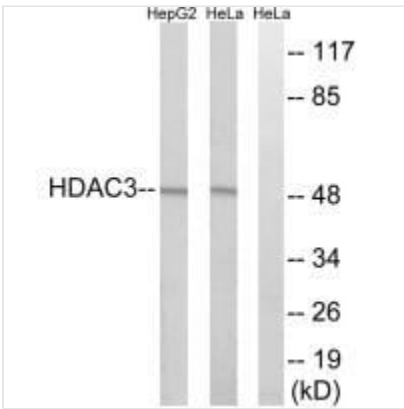
HDAC3; Polyclonal Antibody; HDAC3 Antibody; Histone deacetylase 3; HD3; RPD3-2; SMAP45; anti-HDAC3 antibody

PRODUCT SPECIFICATIONS

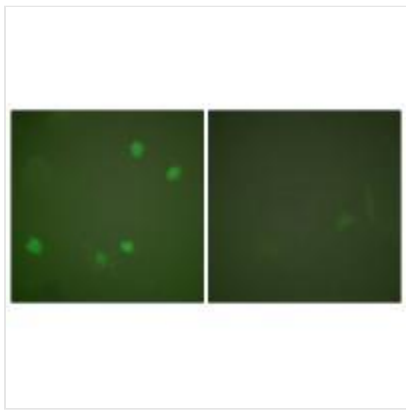
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HDAC3 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in 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	428
Applicable Applications for anti-HDAC3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human HDAC3.
Target Name	HDAC3
Preparation and Storage	Store at -20 degree C



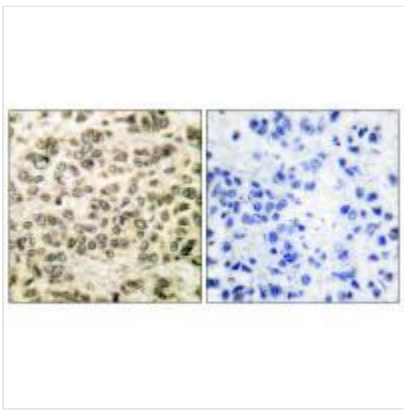
WB (Western Blot)
Western blot analysis of extracts from HeLa cells (Lane 2), A549 cells (Lane 3) and HepG2 cells (Lane 4), using HDAC3 antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using HDAC3 antibody.



IF (Immunofluorescence)
Immunofluorescence analysis of COS7 cells, using HDAC3 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HDAC3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC3 antibody	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. 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. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.Xiaohong Zhang, Genes & Dev., Apr 2005; 19: 827 - 839.Zhanguo Gao, J. Biol. Chem., Feb 2006; 281: 4540 - 4547. Andrew J. Wilson, J. Biol. Chem., May 2006; 281: 13548 - 13558.
Product Categories/Family for anti-HDAC3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13128862
NCBI GeneID	8841
NCBI Accession #	NP_003874.2

NCBI GenBank Nucleotide #	NM_003883.3
UniProt Accession #	O15379 ; O43268 ; Q9UEI5 ; Q9UEV0 ; D3DQE1
Molecular Weight	49,111 Da
NCBI Official Full Name	histone deacetylase 3
NCBI Official Synonym Full Names	histone deacetylase 3
NCBI Official Symbol	HDAC3
NCBI Official Synonym Symbols	HD3; RPD3; RPD3-2
NCBI Protein Information	histone deacetylase 3
UniProt Protein Name	Histone deacetylase 3
UniProt Gene Name	HDAC3
UniProt Synonym Gene Names	HD3
UniProt Entry Name	HDAC3_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://www.aaabiotech.com/polyclonal/hdac3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/307414>