HDAC2 recombinant antibody

HDAC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243990	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

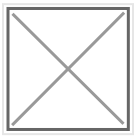
PRODUCT SYNONYMS

HDAC2; Monoclonal Recombinant Antibody; HDAC2 Antibody; Histone deacetylase 2 (HD2) (EC 3.5.1.98); HDAC2 recombinant antibody

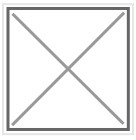
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	9H4
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for HDAC2 recombinant antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human HDAC2
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

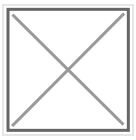
IMAGES



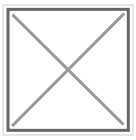
IF (Immunofluorescence)
Immunofluorescence staining of Hela Cells at 1?50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG ?H+L?.



IHC (Immunohistochemisry)
IHC image diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohiostchemistry)
IHC image diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)
Western BlotPositive WB detected in: MCF-7 whole cell lysate, K562 whole cell lysateAll lanes: HDAC2 antibody at 1:1000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 56, 52 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for HDAC2 recombinant 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. Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, CAF1. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development. May be involved in the transcriptional repression of circadian target genes, such as PER1, mediated by CRY1 through histone deacetylation. Involved in MTA1-mediated transcriptional corepression of TFF1 and CDKN1A.
Product Categories/Family for HDAC2 recombinant antibody	Epigenetics and Nuclear Signaling; Cardiovascular; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	293336691
NCBI GeneID	3066
NCBI Accession #	NP_001518.3
NCBI GenBank Nucleotide #	NM_001527.3
UniProt Accession #	Q92769; Q5SRI8; Q5SZ86; Q8NEH4; B4DL58; E1P561
Molecular Weight	55,364 Da
NCBI Official Full Name	histone deacetylase 2
NCBI Official Synonym Full Names	histone deacetylase 2
NCBI Official Symbol	HDAC2
NCBI Official Synonym Symbols	HD2; RPD3; YAF1
NCBI Protein Information	histone deacetylase 2; YY1-associated factor 1; transcriptional regulator homolog RPD3
UniProt Protein Name	Histone deacetylase 2
UniProt Gene Name	**HDAC2**
UniProt Synonym Gene Names	HD2
UniProt Entry Name	HDAC2_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/monoclonal/hdac2-recombinant-antibody-clone-9h4-immunofluorescence-immunohistochemistry-western-blot-elisa/243990