Rabbit Histone Deacetylase 2 Polyclonal Antibody | anti-HDAC2 antibody

Histone Deacetylase 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29881	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Histone Deacetylase 2; Polyclonal Antibody; Histone Deacetylase 2 Antibody; D10Wsu179e antibody; HD 2 antibody; HD2 antibody; HDAC 2 antibody; Hdac2 antibody; HDAC2_HUMAN antibody; Histone deacetylase 2 (HD2) antibody; Histone deacetylase 2 antibody; OTTHUMP00000017046 antibody; OTTHUMP00000227077 antibody; OTTHUMP00000227078 antibody; RPD3 antibody; transcriptional regulator homolog RPD3 antibody; YAF1 antibody; YY1 associated factor 1 antibody; YY1 transcription factor binding protein antibody; Yy1bp antibody; anti-HDAC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Protein affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HDAC2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:1000 IHC: 1:100-1:200 ICC: 1:500-1:2000 FC/FACS: 1:50-1:100
Immunogen	Recombinant protein.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

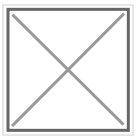
IMAGES

FCM (Flow Cytometry)
Flow cytometric analysis of SH-SY5Y cells with HDAC2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

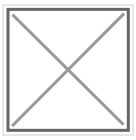
ICC (Immunocytochemistry)
ICC staining HDAC2 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)
ICC staining HDAC2 in NIH-3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)
ICC staining HDAC2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-HDAC2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HDAC2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC2 antibody	In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation, and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (for p300/CBP-associated factor), p300/CBP and the TFIID subunit TAF II p250. Mammalian HDAC1 (also designated HD1) and HDAC2 (also designated mammalian RPD3), both of which are related to the yeast transcriptional regulator Rpd3p, have been identified as histone deacetylases.
Product Categories/Family for anti-HDAC2 antibody	Total protein Ab

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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