Rabbit HDAC2 Polyclonal Antibody | anti-HDAC2 antibody

HDAC2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40551	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

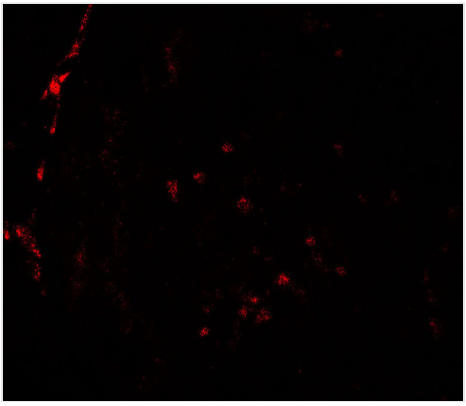
PRODUCT SYNONYMS

HDAC2; Polyclonal Antibody; HDAC2 Antibody; HD2; RPD3; YAF1; Histone deacetylase 2; histone deacetylase 2; anti-HDAC2 antibody

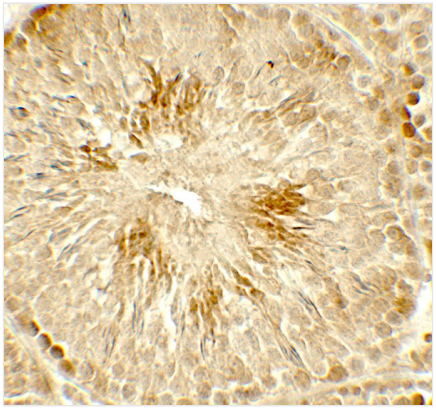
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HDAC2 antibody is human, mouse and rat reactive. At least two isoforms of HDAC2 are known to exist; this antibody will detect both isoforms. HDAC2 antibody is predicted to not cross-react with other members of the HDAC family.
Purity/Purification	HDAC2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	488
Applicable Applications for anti-HDAC2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	HDAC2 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human HDAC2.
Buffer	HDAC2 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	HDAC2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

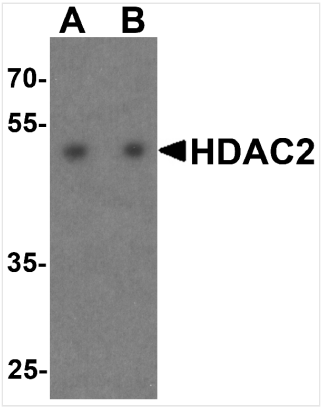
IMAGES



IF (Immunofluorescence)
Immunofluorescence of HDAC2 in rat testis tissue with HDAC2 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of HDAC2 in rat testis tissue with HDAC2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of HDAC2 in HeLa cell lysate with HDAC2 antibody at (A) 0.5 and (B) 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC2 antibody	The histone deacetylase (HDAC) family contains multiple members which are divided into four classes. Class I of the HDAC family comprises four members, HDAC1, 2, 3, and 8, each of which contains a deacetylase domain and exhibits a different, individual substrate specificity and function in vivo (1). HDAC2 was first identified as as a mammalian homolog to the yeast transcriptional regulator RPD3 (2). HDAC2 forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor (2,3). Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	293336691
NCBI GeneID	3066
NCBI Accession #	NP_001518
NCBI GenBank Nucleotide #	NM_001527.3
UniProt Accession #	Q92769; Q5SRI8; Q5SZ86; Q8NEH4; B3KRS5; B4DL58; E1P561
Molecular Weight	Predicted: 54 kDa Observed: 52 kDa
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/polyclonal/hdac2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40551