

Rabbit HDAC4 Polyclonal Antibody | anti-HDAC4 antibody

Anti-HDAC4 Antibody, Rabbit Polyclonal

CATALOG # AAA254346	HOST Rabbit	APPLICATIONS Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

HDAC4; Polyclonal Antibody; Anti-HDAC4 Antibody; Rabbit Polyclonal; AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA; anti-HDAC4 antibody

PRODUCT SPECIFICATIONS

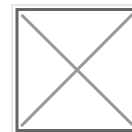
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Mouse, Rat (Species predicted to react based on 100% sequence homology)
Purity/Purification	Antigen Affinity Chromatography
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HDAC4 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human HDAC4
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human HDAC4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-HDAC4 rabbit polyclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: Hela Whole Cell Lysate
Lane D: NIH-3T3 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 119 kDa Observed band size: 140 kDa



IP (Immunoprecipitation)

HDAC4 was immunoprecipitated using:
Lane A: 0.5 mg HepG2 Whole Cell Lysate
Lane B: 0.5 mg Jurkat Whole Cell Lysate
2 uL anti-HDAC4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein G. Primary antibody: Anti-HDAC4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 119 kDa Observed band size: 119 kDa



IF (Immunofluorescence)

Immunofluorescence staining of HDAC4 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human HDAC4 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HDAC4 antibody	Cancer Drug Targets; Notch Signaling
References	Geng H, et al. (2011) HDAC4 protein regulates HIF1alpha protein lysine acetylation and cancer cell response to hypoxia. J Biol Chem. 286(44):38095-102. Yuan JH, et al. (2011) The histone deacetylase 4/SP1/microrna-200a regulatory network contributes to aberrant histone acetylation in hepatocellular carcinoma. Hepatology. 54(6):2025-35. Cernotta N, et al. (2011) Ubiquitin-dependent degradation of HDAC4, a new regulator of random cell motility. Mol Biol Cell. 22(2):278-89.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153085395
NCBI GeneID	9759
NCBI Accession #	NP_006028.2
NCBI GenBank Nucleotide #	NM_006037.3
UniProt Accession #	P56524; Q9UND6
NCBI Official Full Name	histone deacetylase 4
NCBI Official Synonym Full Names	histone deacetylase 4
NCBI Official Symbol	HDAC4
NCBI Official Synonym Symbols	HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A
NCBI Protein Information	histone deacetylase 4; histone deacetylase A
UniProt Protein Name	Histone deacetylase 4
UniProt Gene Name	HDAC4
UniProt Synonym Gene Names	KIAA0288; HD4
UniProt Entry Name	HDAC4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hdac4-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/254346>