

anti-Human, Mouse HDAC4 Polyclonal Antibody | anti-HDAC4 antibody

Rabbit Polyclonal (IgG) to Human HDAC4

CATALOG # AAA50845	HOST HDAC4 antibody was produced in a Rabbit.	REACTIVITY Human, Mouse
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PRODUCT SYNONYMS

HDAC4; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human HDAC4; HDAC4 Antibody; BDMR Antibody; AHO3 Antibody; Histone deacetylase A Antibody; HD4 Antibody; HA6116 Antibody; HDAC-A Antibody; HDACA Antibody; Histone deacetylase 4 Antibody; HDAC-4 Antibody; KIAA0288 Antibody; anti-HDAC4 antibody

PRODUCT SPECIFICATIONS

Host	HDAC4 antibody was produced in a Rabbit.
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	A 140 kD band is observed.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.05% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	1084
Target	HDAC4
Epitope	aa194-209
Note	During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial . We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide . The chemical, physical , and toxicological properties of this material have not been thoroughly investigated. Standard Laboratory Practices should be followed. Avoid skin and eye contact, inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plumbing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Immunogen	HDAC4 antibody was raised against synthetic peptide from human HDAC4
Immunogen Species	HDAC4 antibody was raised against human.
Antigen Type	Synthetic peptide.
Epitope	aa194-209
Family/Subfamily	Histone Deacetylase/not assigned-Histone Deacetylase
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol

The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:

Tissue Preparation:
Formalin fixation and embedding in paraffin wax.

Tissue Sectioning:
Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.

Deparaffinization:
Wash dry slides in 3 changes of xylene - 5 minutes each @ RT

Rehydration:
Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT
Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT
Wash slides in 1 change of 80% alcohol - 3 minutes @ RT
Rinse slides in gentle running distilled water - 5 minutes @ RT

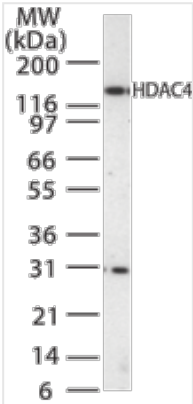
Antigen retrieval:
Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes
Remove from heat and let stand at room temperature in buffer - 20 minutes
Rinse in 1X TBS with Tween (TBST) -1 minute @ RT

Immunostaining:
(Do not allow tissues to dry at any time during the staining procedure)
Apply a universal protein block - 20 minutes @ RT
Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT
Rinse slides in 1 X TBST - 1 minute @ RT
Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT
Rinse slides in 1X TBST -1 minute @ RT
Apply alkaline phosphatase streptavidin - 30 minutes @ RT
Rinse slides in 1X TBST -1 minute @ RT
Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT
Wash slides in distilled water - 1 minute @ RT

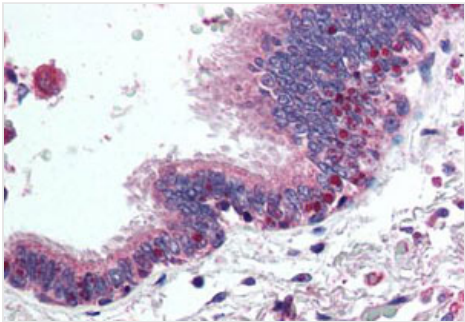
Dehydrate:
(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB))
Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT
Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT
Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT
Wash slides in 3 changes of xylene - 1 minute each @ RT
Apply coverslip

Preparation and Storage Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

IMAGES



WB (Western Blot)
Western blot of HDAC-4 in Jurkat cell lysate with antibody.



IHC (Immunohistochemistry)
Anti-HDAC4 antibody IHC of human lung, respiratory epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HDAC4 antibody	Family: Histone Deacetylase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153085395
NCBI GeneID	9759
NCBI Accession #	NP_006028.2
NCBI GenBank Nucleotide #	NM_006037.3
UniProt Accession #	P56524; Q86YH7; Q9UND6; E9PGB9; F5GX36
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hdac4-antibody-elisa/50845>