

Rabbit anti-Human, mouse ADH4 Polyclonal Antibody | anti-ADH4 antibody

ADH4 Antibody (C-term)

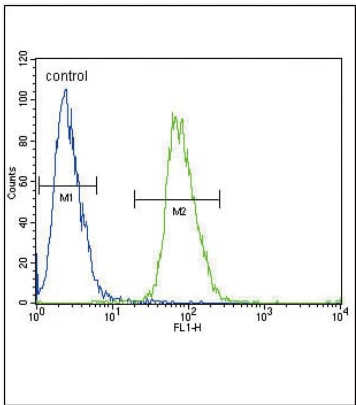
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285303	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

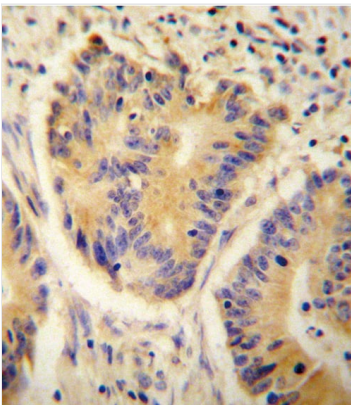
ADH4; Polyclonal Antibody; ADH4 Antibody (C-term); Alcohol dehydrogenase 4; Alcohol dehydrogenase class II pi chain; anti-ADH4 antibody

PRODUCT SPECIFICATIONS

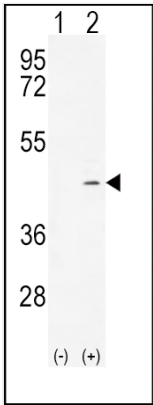
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADH4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 319-348 amino acids from the C-terminal region of human ADH4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.48 (varies by lot)
Sequence Positions	319-348
Sequence Length	399
Applicable Applications for anti-ADH4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



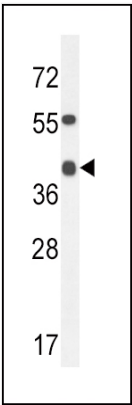
FCM/FACS (Flow Cytometry)
ADH4 Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
ADH4 antibody(C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ADH4 antibody(C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ADH4 (arrow) using rabbit polyclonal ADH4 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ADH4 gene.



WB (Western Blot)
ADH4 Antibody (C-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the ADH4 antibody detected the ADH4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ADH4 antibody	This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.
Product Categories/Family for anti-ADH4 antibody	Metabolism; Signal Transduction
References	Pochareddy, S., et al. Gene 460 (1-2), 1-7 (2010) : Preuss, U.W., et al. Addict Biol (2010) In press : Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Rainero, I., et al. Headache 50(1):92-98(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	71565152
NCBI GeneID	127
NCBI Accession #	NP_000661.2
NCBI GenBank Nucleotide #	NM_000670.4
UniProt Accession #	P08319; Q8TCD7; A8K470; B4DIE7; C9J4A9
Molecular Weight	40222
NCBI Official Full Name	alcohol dehydrogenase 4 isoform 2
NCBI Official Synonym Full Names	alcohol dehydrogenase 4 (class II), pi polypeptide
NCBI Official Symbol	ADH4
NCBI Official Synonym Symbols	ADH-2; HEL-S-4
NCBI Protein Information	alcohol dehydrogenase 4
UniProt Protein Name	Alcohol dehydrogenase 4
UniProt Gene Name	ADH4
UniProt Entry Name	ADH4_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/adh4-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285303>