

Rabbit anti-Human ADH7 Polyclonal Antibody | anti-ADH7 antibody

ADH7 Antibody (C-Term)

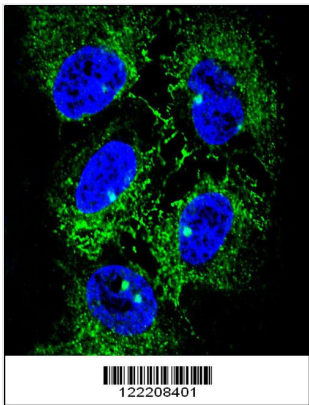
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287697	Rabbit	Human	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

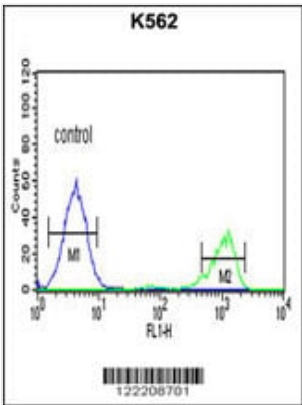
ADH7; Polyclonal Antibody; ADH7 Antibody (C-Term); Alcohol dehydrogenase class 4 mu/sigma chain; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase; anti-ADH7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADH7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 318-346 amino acids from the C-terminal region of human ADH7.
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: 0.5 (varies by lot)
Sequence Positions	318-346
Sequence Length	394
Applicable Applications for anti-ADH7 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



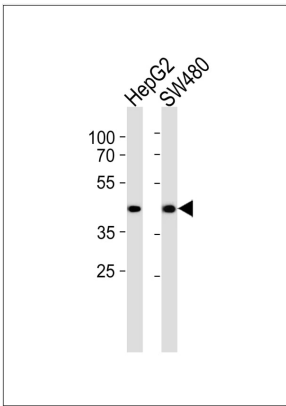
IF (Immunofluorescence)
Confocal immunofluorescent analysis of ADH7 Antibody (C-Term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)
ADH7 Antibody (C-Term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
ADH7 Antibody (C-Term) IHC analysis in formalin fixed and paraffin embedded lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ADH7 Antibody (C-Term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from HepG2, SW480 cell line (from left to right), using ADH7 Antibody (C-Term). AAA287697 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-ADH7 antibody	This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members.
Product Categories/Family for anti-ADH7 antibody	Crown Antibodies; Signal Transduction
References	Kedishvili, N.Y., et al. J. Biol. Chem. 270(8):3625-3630(1995) Cheung, B., et al. Alcohol. Clin. Exp. Res. 19(1):185-186(1995) Farres, J., et al. Eur. J. Biochem. 224(2):549-557(1994) Pares, X., et al. FEBS Lett. 303(1):69-72(1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71743840
NCBI GeneID	131

NCBI Accession #	NP_000664.2; NP_001159976.1
NCBI GenBank Nucleotide #	NM_000673.4
UniProt Accession #	P40394; Q13713; A2RRB6; A8MVN9; B2R760; B4DWV6
Molecular Weight	41481
NCBI Official Full Name	alcohol dehydrogenase class 4 mu/sigma chain isoform 2
NCBI Official Synonym Full Names	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
NCBI Official Symbol	ADH7
NCBI Official Synonym Symbols	ADH4
NCBI Protein Information	alcohol dehydrogenase class 4 mu/sigma chain
UniProt Protein Name	Alcohol dehydrogenase class 4 mu/sigma chain
UniProt Gene Name	ADH7
UniProt Entry Name	ADH7_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/adh7-antibody-western-blot-immunofluorescence-flow-cytometry-immunohistochemistry-elisa/287697>