

Rabbit anti-Human Alcohol dehydrogenase class 4 mu/sigma chain Polyclonal Antibody | anti-ADH7 antibody

Rabbit anti-human Alcohol dehydrogenase class 4 mu/sigma chain polyclonal Antibody

CATALOG # AAA229083	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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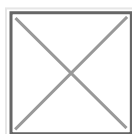
PRODUCT SYNONYMS

Alcohol dehydrogenase class 4 mu/sigma chain; Polyclonal Antibody; Rabbit anti-human Alcohol dehydrogenase class 4 mu/sigma chain polyclonal Antibody; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase; ADH7; anti-ADH7 antibody

PRODUCT SPECIFICATIONS

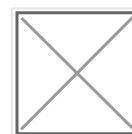
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	386
Applicable Applications for anti-ADH7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Alcohol dehydrogenase class 4 mu/sigma chain protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-161314
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



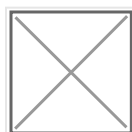
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer using AAA229083 at dilution of 1:100



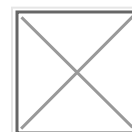
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA229083 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA229083 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: ADH7 antibody at 2ug/ml+ Mouse liver tissueGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 42,43 kDaObserved band size: 41 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ADH7 antibody	<p>Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-nitrobenzaldehyde) compounds are the best substrates. Ethanol is not a good substrate but at the high ethanol concentrations reached in the digestive tract, it plays a role in the ethanol oxidation and contributes to the first pass ethanol metabolism.</p> <p>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. Alternative splicing results in multiple transcript variants.</p>
Product Categories/Family for anti-ADH7 antibody	Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	71743840
NCBI GeneID	131
NCBI Accession #	NP_000664.2
NCBI GenBank Nucleotide #	NM_000673.4
UniProt Accession #	P40394; Q13713; A2RRB6; A8MVN9; B2R760; B4DWV6
Molecular Weight	42,467 Da
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.