

Rabbit anti-Human ADH1C Polyclonal Antibody | anti-ADH1C antibody

ADH1C Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286006	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ADH1C; Polyclonal Antibody; ADH1C Antibody (Center); Alcohol dehydrogenase 1C; Alcohol dehydrogenase subunit gamma; ADH3; anti-ADH1C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADH1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the Central region of human ADH1C.
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	231-260
Sequence Length	375
Applicable Applications for anti-ADH1C antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), 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.

IMAGES



FCM/FACS (Flow Cytometry)

ADH1C Antibody (Center) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of ADH1C Antibody (Center) with T47D cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



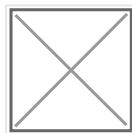
IHC (Immunohistochemisry)

ADH1C Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ADH1C Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ADH1C (arrow) using rabbit polyclonal ADH1C Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ADH1C gene.



WB (Western Blot)

ADH1C Antibody (Center) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the ADH1C antibody detected the ADH1C protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ADH1C antibody	This gene encodes class I alcohol dehydrogenase, gamma 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 I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster.
Product Categories/Family for anti-ADH1C antibody	Cell Biology ; Metabolism ; Signal transduction
References	Benzon Larsen, S., et al. Cancer Lett. (2010) In press : Sangrajrang, S., et al. Breast Cancer Res. Treat. (2010) Khan, A.J., et al. Drug Alcohol Depend (2010) In press :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501933
NCBI GeneID	126
NCBI Accession #	NP_000660.1
NCBI GenBank Nucleotide #	NM_000669.4
UniProt Accession #	P00326 ; Q4PJ18 ; Q5WRV0 ; Q6LBW4 ; Q6NWW0 ; Q6NZA7
Molecular Weight	39868
NCBI Official Full Name	alcohol dehydrogenase 1C
NCBI Official Synonym Full Names	alcohol dehydrogenase 1C (class I), gamma polypeptide
NCBI Official Symbol	ADH1C
NCBI Official Synonym Symbols	ADH3
NCBI Protein Information	alcohol dehydrogenase 1C
UniProt Protein Name	Alcohol dehydrogenase 1C
UniProt Gene Name	ADH1C

UniProt Synonym Gene Names	ADH3
UniProt Entry Name	ADH1G_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/adh1c-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/286006>