

Rabbit ADH6 Polyclonal Antibody | anti-ADH6 antibody

Anti-ADH6 Antibody Picoband

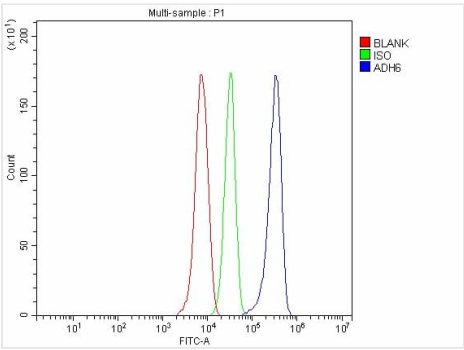
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127548	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

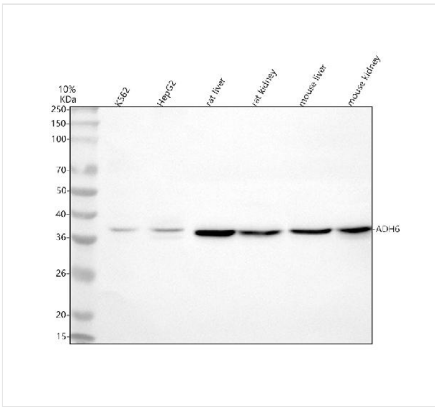
ADH6; Polyclonal Antibody; Anti-ADH6 Antibody Picoband; Alcohol dehydrogenase 6; EC 1.1.1.1; anti-ADH6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ADH6 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human ADH6 recombinant protein (Position: E50-K367). Human ADH6 shares 63.3% amino acid (aa) sequence identity with rat ADH6.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-ADH6 antibody (AAA127548).Overlay histogram showing HepG2 cells stained with AAA127548 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ADH6 Antibody (AAA127548, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of ADH6 using anti-ADH6 antibody (AAA127548).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: rat liver tissue lysates,Lane 4: rat kidney tissue lysates,Lane 5: mouse liver tissue lysates,Lane 6: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ADH6 antigen affinity purified polyclonal antibody (#AAA127548) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ADH6 at approximately 39 kDa. The expected band size for ADH6 is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ADH6 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ADH6 antibody	Primary Antibodies
References	1. Osier, M. V., Pakstis, A. J., Soodyall, H., Comas, D., Goldman, D., Odunsi, A., Okonofua, F., Parnas, J., Schulz, L. O., Bertranpetit, J., Bonne-Tamir, B., Lu, R.-B., Kidd, J. R., Kidd, K. K. A global perspective on genetic variation at the ADH genes reveals unusual patterns of linkage disequilibrium and diversity. Am. J. Hum. Genet. 71: 84-99, 2002.2. Yasunami, M., Chen, C.-S., Yoshida, A. A human alcohol dehydrogenase gene (ADH6) encoding an additional class of isozyme. Proc. Nat. Acad. Sci. 88: 7610-7614, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501939
NCBI GeneID	130
NCBI Accession #	NP_000663.1
NCBI GenBank Nucleotide #	NM_000672.3
UniProt Accession #	P28332; Q58F53; B3KS45
Molecular Weight	39,831 Da
NCBI Official Full Name	alcohol dehydrogenase 6 isoform 2
NCBI Official Synonym Full Names	alcohol dehydrogenase 6 (class V)
NCBI Official Symbol	ADH6

NCBI Official Synonym Symbols	ADH-5
NCBI Protein Information	alcohol dehydrogenase 6; aldehyde reductase
UniProt Protein Name	Alcohol dehydrogenase 6
UniProt Gene Name	ADH6
UniProt Entry Name	ADH6_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/adh6-antibody-flow-cytometry-western-blot-elisa/127548>