

Rabbit anti-Human ALDH3A2 Polyclonal Antibody | anti-ALDH3A2 antibody

ALDH3A2 Antibody

CATALOG # AAA288502	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

ALDH3A2; Polyclonal Antibody; ALDH3A2 Antibody; Fatty aldehyde dehydrogenase; Aldehyde dehydrogenase 10; Aldehyde dehydrogenase family 3 member A2; Microsomal aldehyde dehydrogenase; ALDH10; FALDH; anti-ALDH3A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALDH3A2 antibody is generated from rabbits immunized with human ALDH3A2 recombinant protein.
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 Length	508
Applicable Applications for anti-ALDH3A2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
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



WB (Western Blot)

Western blot analysis of ALDH3A2 (arrow) using rabbit polyclonal ALDH3A2 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ALDH3A2 gene.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with ALDH3A2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ALDH3A2 Antibody in HeLa, HepG2, WiDr cell line lysates (35ug/lane). ALDH3A2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH3A2 antibody	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. ALDH3A2 catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome.
Product Categories/Family for anti-ALDH3A2 antibody	Cardiovascular; Metabolism; Neuroscience; Signal Transduction
References	Chang, C., et al., Genomics 40(1):80-85 (1997). Rogers, G.R., et al., Genomics 39(2):127-135 (1997). De Laurenzi, V., et al., Nat. Genet. 12(1):52-57 (1996). Rogers, G.R., et al., Am. J. Hum. Genet. 57(5):1123-1129 (1995). Pigg, M., et al., Nat. Genet. 8(4):361-364 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557303
NCBI GeneID	224
NCBI Accession #	NP_000373.1; NP_001026976.1
NCBI GenBank Nucleotide #	NM_000382.2
UniProt Accession #	P51648; Q6I9T3; Q93011; Q96J37
Molecular Weight	54848
NCBI Official Full Name	fatty aldehyde dehydrogenase isoform 2
NCBI Official Synonym Full Names	aldehyde dehydrogenase 3 family, member A2
NCBI Official Symbol	ALDH3A2
NCBI Official Synonym Symbols	SLS; FALDH; ALDH10
NCBI Protein Information	fatty aldehyde dehydrogenase
UniProt Protein Name	Fatty aldehyde dehydrogenase
UniProt Gene Name	ALDH3A2
UniProt Synonym Gene Names	ALDH10; FALDH
UniProt Entry Name	AL3A2_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/aldh3a2-antibody-immunohistochemistry-western-blot-elisa/288502>