

Rabbit ALDH3A2 Polyclonal Antibody | anti-ALDH3A2 antibody

Anti-ALDH3A2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254843	Rabbit	MousePredicted to React with: Human, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ALDH3A2; Polyclonal Antibody; Anti-ALDH3A2 Antibody; Rabbit Polyclonal; ALDH3A2 Antibody; Rabbit PAb; Antigen Affinity Purified; aldehyde dehydrogenase 3 family; member A2; Anti-Ald-3 Antibody; Anti-Ald-3r Antibody; Anti-Ald3 Antibody; Anti-Ald3-r Antibody; Anti-A194803 Antibody; Anti-Aldh4 Antibody; Anti-Aldh4-r Antibody; Anti-FALDH Antibody; anti-ALDH3A2 antibody

PRODUCT SPECIFICATIONS

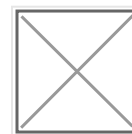
Host	Rabbit
Reactivity	Mouse Predicted to React with: Human, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse ALDH3A2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ALDH3A2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Mouse ALDH3A2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Mouse ALDH3A2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Aldh3a2 was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate 0.5 uL anti-Aldh3a2 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-Aldh3a2 rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 53 kDa Observed band size: 53 kDa



IHC (Immunohistochemistry)

Immunohistochemical staining of mouse Aldh3a2 in mouse liver with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-ALDH3A2 rabbit polyclonal antibody at 1:500 dilution Lane A: A549 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 55 kDa Observed band size: 54 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH3A2 antibody	Sjogren-Larsson syndrome (SLS) is a rare type of congenital ichthyosis with neurological problems and intellectual disability. Homozygous mutations in ALDH3A2 gene are known to be responsible for this syndrome. An ALDH3A2 gene mutation results in dysfunction of the microsomal enzyme fatty aldehyde dehydrogenase and impaired metabolism and accumulation of leukotriene B4, which is a key molecule and a pro-inflammatory mediator in developing allergic diseases, especially asthma. An increased level of leukotriene B4 has been reported in SLS patients.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75677435
NCBI GeneID	11671
NCBI Accession #	NP_031463.2
NCBI GenBank Nucleotide #	NM_007437.4
UniProt Accession #	P47740; Q99L64
Molecular Weight	53,971 Da
NCBI Official Full Name	fatty aldehyde dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase family 3, subfamily A2
NCBI Official Symbol	Aldh3a2
NCBI Official Synonym Symbols	Ahd3; Ahd-3; Aldh4; FALDH; Ahd-3r; Ahd3-r; Aldh4-r; AI194803
NCBI Protein Information	fatty aldehyde dehydrogenase; aldehyde dehydrogenase 3; aldehyde dehydrogenase family 3 member A2; alcohol dehydrogenase family 3, subfamily A2; aldehyde dehydrogenase 4, liver microsomal (class 3) regulator
UniProt Protein Name	Fatty aldehyde dehydrogenase
UniProt Gene Name	Aldh3a2
UniProt Synonym Gene Names	Ahd-3; Ahd3; Aldh3; Aldh4
UniProt Entry Name	AL3A2_MOUSE

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.