

Rabbit ALDH2 Polyclonal Antibody | anti-ALDH2 antibody

ALDH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327240	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

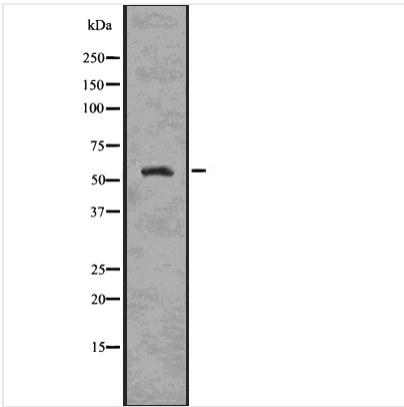
PRODUCT SYNONYMS

ALDH2; Polyclonal Antibody; ALDH2 Antibody; Acetaldehyde dehydrogenase 2; Aldehyde dehydrogenase 2 family (mitochondrial); Aldehyde dehydrogenase 2 family; Aldehyde dehydrogenase mitochondrial; Aldehyde dehydrogenase; mitochondrial; ALDH 2; ALDH class 2; ALDH E2; ALDH-E2; Aldh2; ALDH2_HUMAN; ALDHI; ALDM; Liver mitochondrial ALDH; MGC1806; Mitochondrial aldehyde dehydrogenase 2; MS767; Nucleus encoded mitochondrial aldehyde dehydrogenase 2; anti-ALDH2 antibody

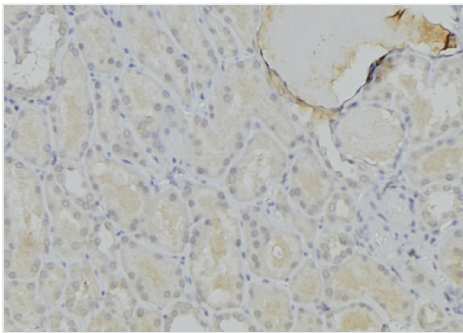
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDH2 antibody detects endogenous levels of total ALDH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	517
Applicable Applications for anti-ALDH2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALDH2
Subcellular Location	Mitochondrion Matrix.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of ALDH2 using 293 whole cell lysates



IHC (Immunohistochemistry)
AAA327240 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH2 antibody	Function: An aldehyde + NAD ⁺ + H ₂ O = a carboxylate + NADH. Subunit Structure: Homotetramer. Similarity: Belongs to the aldehyde dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777732
NCBI GeneID	217
NCBI Accession #	NP_000681.2
NCBI GenBank Nucleotide #	NM_000690.3
UniProt Accession #	P05091; Q03639; Q6IB13; Q6IV71; B4DW54; E7EUE5
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	aldehyde dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 2 family member
NCBI Official Symbol	ALDH2
NCBI Official Synonym Symbols	ALDM; ALDHI; ALDH-E2
NCBI Protein Information	aldehyde dehydrogenase, mitochondrial
UniProt Protein Name	Aldehyde dehydrogenase, mitochondrial
UniProt Gene Name	ALDH2
UniProt Synonym Gene Names	ALDM

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.