

Rabbit ALDH1A3 Polyclonal Antibody | anti-ALDH1A3 antibody

ALDH1A3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327836	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

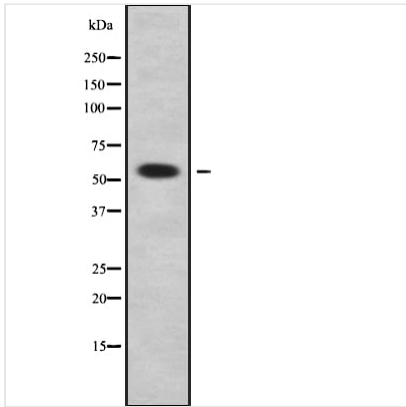
PRODUCT SYNONYMS

ALDH1A3; Polyclonal Antibody; ALDH1A3 Antibody; Acetaldehyde dehydrogenase 6; AL1A3_HUMAN; Aldehyde dehydrogenase 1A3; Aldehyde dehydrogenase 6; Aldehyde dehydrogenase family 1 member A3; Aldh1a3; ALDH1A6; ALDH6; RALDH 3; Retinaldehyde dehydrogenase 3; V1; anti-ALDH1A3 antibody

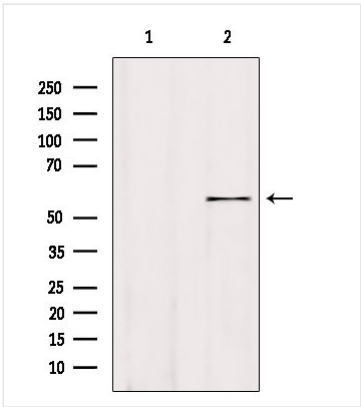
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ALDH1A3 antibody detects endogenous levels of total ALDH1A3
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	512
Applicable Applications for anti-ALDH1A3 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALDH1A3
Tissue Specificity	Expressed at low levels in many tissues and at higher levels in salivary gland, stomach, and kidney.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (89%), Bovine (89%), Horse (89%), Sheep (89%), Rabbit (100%)
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 ALDH1A3 using LOVO whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from 293, using ALDH1A3 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ALDH1A3 antibody	Function: NAD-dependent aldehyde dehydrogenase that catalyzes the formation of retinoic acid (PubMed:27759097). Has high activity with all-trans retinal, and has much lower in vitro activity with acetaldehyde (PubMed:27759097). Required for the biosynthesis of normal levels of retinoic acid in the embryonic ocular and nasal regions; retinoic acid is required for normal embryonic development of the eye and the nasal region (By similarity). Subunit Structure: Homotetramer. Similarity: Belongs to the aldehyde dehydrogenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153266822
NCBI GeneID	220
NCBI Accession #	NP_000684.2
NCBI GenBank Nucleotide #	NM_000693.3
UniProt Accession #	P47895; Q6NT64
Molecular Weight	Observed: 56 kDa Predicted: 57 kDa
NCBI Official Full Name	aldehyde dehydrogenase family 1 member A3 isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member A3
NCBI Official Symbol	ALDH1A3
NCBI Official Synonym Symbols	ALDH6; MCOP8; RALDH3; ALDH1A6
NCBI Protein Information	aldehyde dehydrogenase family 1 member A3
UniProt Protein Name	Aldehyde dehydrogenase family 1 member A3
UniProt Gene Name	ALDH1A3
UniProt Synonym Gene Names	; RALDH-3; RaLDH3

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.