



# AL1A3 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05301
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ALDH1A3 ALDH6
<b>Protein Name</b>	Aldehyde dehydrogenase family 1 member A3 (EC 1.2.1.5) (Aldehyde dehydrogenase 6) (Retinaldehyde dehydrogenase 3) (RALDH-3) (RaLDH3)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 290-370
<b>Specificity</b>	AL1A3 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	56kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Expressed at low levels in many tissues and at higher levels in salivary gland, stomach, and kidney.
<b>Function</b>	catalytic activity:An aldehyde + NAD(P)(+) + H(2)O = an acid + NAD(P)H.,function:Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Seems to be the key enzyme in the formation of an RA gradient along the dorso-ventral axis during the early eye development and also in the development of the olfactory system.,pathway:Cofactor metabolism; retinol metabolism.,similarity:Belongs to the aldehyde dehydrogenase family.,tissue specificity:Expressed at low levels in many tissues and at higher levels in salivary gland, stomach, and kidney.,
<b>Background</b>	This gene encodes an aldehyde dehydrogenase enzyme that uses retinal as a substrate. Mutations in this gene have been associated with microphthalmia, isolated 8, and expression changes have also been detected in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**