



AL1A3 Polyclonal Antibody

Catalog No	YP-Ab-05301
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ALDH1A3 ALDH6
Immunogen	Synthesized peptide derived from human protein . at AA range: 290-370
Specificity	AL1A3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AL1A3;Aldehyde dehydrogenase 6;ALDH6;EC:1.2.1.36;RALDH-3;ALDH1A3 ALDH6;Aldehyde dehydrogenase family 1 member A3 (EC 1.2.1.5) (Aldehyde dehydrogenase 6) (Retinaldehyde dehydrogenase 3) (RALDH-3) (RaIDH3)
Observed Band	512 aa, 56 kDa
Calculated Molecular Weight	512 aa, 56 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed at low levels in many tissues and at higher levels in salivary gland, stomach, and kidney.
Function	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.,

**Background**

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