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anti-ALDH3B1 antibody (C-Term)

2 Images



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Quantity:	0.4 mL	
Target:	ALDH3B1	
Binding Specificity:	C-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ALDH3B1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ALDH4A1.	
Isotype:	lg Fraction	
Specificity:	This antibody reacts to ALDH4A1.	
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS	
Target Details		
Target:	ALDH3B1	
Alternative Name:	ALDH4 (ALDH3B1 Products)	

Target Details

Background:	ALDH4A1 belongs to the aldehyde dehydrogenase family of proteins. This enzyme is a	
	mitochondrial matrix NAD-dependent dehydrogenase which catalyzes the second step of the	
	proline degradation pathway, converting pyrroline-5-carboxylate to glutamate. Deficiency of this	
	enzyme is associated with type II hyperprolinemia, an autosomal recessive disorder	
	characterized by accumulation of delta-1-pyrroline-5-carboxylate (P5C) and proline.Synonyms:	
	ALDH4A1, Aldehyde dehydrogenase family 4 member A1, Delta-1-pyrroline-5-carboxylate	
	dehydrogenase mitochondrial, P5C dehydrogenase, P5CDH	
Gene ID:	8659, 9606	
UniProt:	P30038	
Pathways:	Monocarboxylic Acid Catabolic Process	
Application Details		
Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/50 - 1/100.	
	Other applications not tested.	
	Optimal dilutions are dependent on conditions and should be determined by the user.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS with 0.09 % (W/V) sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.	

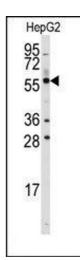


Image 1.

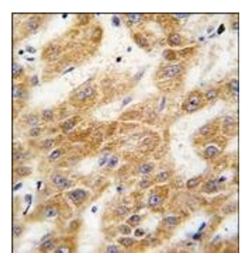


Image 2.