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anti-ALDH1A3 antibody (Internal Region)

Images

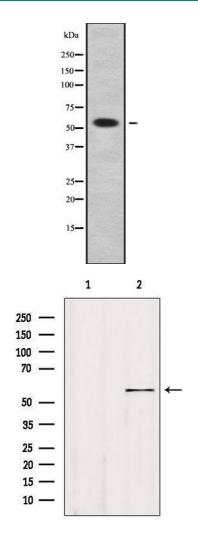


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Overview		
Quantity:	100 μL	
Target:	ALDH1A3	
Binding Specificity:	Internal Region	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ALDH1A3 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA	
Product Details		
Immunogen:	A synthesized peptide derived from human ALDH1A3, corresponding to a region within the internal amino acids.	
Isotype:	IgG	
Specificity:	ALDH1A3 Antibody detects endogenous levels of total ALDH1A3.	
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).	
Target Details		
Target:	ALDH1A3	

Target Details

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Alternative Name:	ALDH1A3 (ALDH1A3 Products)	
Background:	Description: 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). Gene: ALDH1A3	
Molecular Weight:	56 kDa	
Gene ID:	220	
UniProt:	P47895	
Pathways:	Retinoic Acid Receptor Signaling Pathway	
Application Details		
Application Notes:	WB 1:1000-3000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 $\%$ sodium azide and 50 $\%$ glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	



Western Blotting

Image 1. Western blot analysis of ALDH1A3 using LOVO whole cell lysates

Western Blotting

Image 2. Western blot analysis of extracts from 293, using ALDH1A3 Antibody. Lane 1 was treated with the blocking peptide.