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Datasheet for ABIN2788209 anti-ALDH1A2 antibody (N-Term)

2 Images



Overview

Quantity:	100 µL
Target:	ALDH1A2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH1A2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human	
	ALDH1A2	
Sequence:	PVYNPATGEQ VCEVQEADKA DIDKAVQAAR LAFSLGSVWR RMDASERGRL	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit:	
	100%, Rat: 93%, Zebrafish: 86%	
Characteristics:	This is a rabbit polyclonal antibody against ALDH1A2. It was validated on Western Blot.	
Purification:	Affinity Purified	
Target Details		
Target:	ALDH1A2	

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Target Details		
Alternative Name:	ALDH1A2 (ALDH1A2 Products)	
Background:	This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active derivative of vitamin A (retinol), is a hormonal signaling molecule that	
	functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, concurrently establish local embryonic retinoic acid	
	levels which facilitate posterior organ development and prevent spina bifida. Three transcript	
	variants encoding distinct isoforms have been identified for this gene. Alias Symbols: MGC26444, RALDH(II), RALDH2, RALDH2-T	
	Protein Interaction Partner: UBC, HTRA2, Protein Size: 518	
Molecular Weight:	57 kDa	
Gene ID:	8854	
NCBI Accession:	NM_003888, NP_003879	
UniProt:	094788	
Pathways:	Retinoic Acid Receptor Signaling Pathway	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 518 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

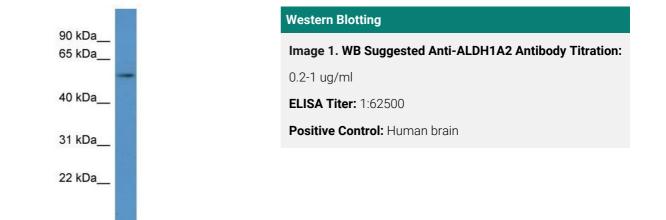
should be handled by trained staff only.

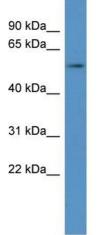
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Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

Images





Rabbit Anti-ALDH1A2 Antibody Catalog Number: ARP59784 Lot Number: QC30722 Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-ALDH1A2 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500 Positive Control: Human brain

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