Datasheet: VPA00358 BATCH NUMBER 160309

Description:RABBIT ANTI ALDH18A1Specificity:ALDH18A1Format:PurifiedProduct Type:PrecisionAb PolyclonalIsotype:Polyclonal IgGQuantity:100 μl		
Format:PurifiedProduct Type:PrecisionAb PolyclonalIsotype:Polyclonal IgG	Description:	RABBIT ANTI ALDH18A1
Product Type:PrecisionAb PolyclonalIsotype:Polyclonal IgG	Specificity:	ALDH18A1
Isotype: Polyclonal IgG	Format:	Purified
	Product Type:	PrecisionAb Polyclonal
Quantity: 100 μl	lsotype:	Polyclonal IgG
	Quantity:	100 µl

Product Details

Applications	This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> .						
		Yes	No	Not Determined	Suggested Dilution		
	Western Blotting	-			1/1000		
	criteria within Bio-Ra how we validate our l	d's ongoin PrecisionA inique this o	i g antibo I b range. does not r	dy validation program Where this product hat necessarily exclude its	e defined performance nme. Click <u>here</u> to learn s not been tested for use in such procedures.		
Target Species	Human						
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity reactivity is derived fro personal communication further information.	m testing w	vithin our l	aboratories, peer-revie	wed publications or		
Product Form	Purified IgG - liquid						
Preparation	Rabbit polyclonal antib	ody purified	d by affinit	ty chromatography			
Buffer Solution	Phosphate buffered sa	line					
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)					

External Database Links	UniProt:				
LIIIKS	P54886 Related reagents				
	Entrez Gene:				
	5832 ALDH18A1 Related reagents				
Synonyms	GSAS, P5CS, PYCS				
Specificity	Rabbit anti Human ALDH18A1 antibody recognizes ALDH18A1, also known as aldehyde dehydrogenase family 18 member A1, delta-1-pyrroline-5-carboxylate synthase, P5CS and pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase).				
	The ALDH18A1 gene is a member of the aldehyde dehydrogenase family and encodes a bifunctional ATP- and NADPH-dependent mitochondrial enzyme with both gamma-glutamyl kinase and gamma-glutamyl phosphate reductase activities. The encoded protein catalyzes the reduction of glutamate to delta1-pyrroline-5-carboxylate, a critical step in the de novo biosynthesis of proline, ornithine and arginine. Mutations in ALDH18A1 lead to hyperammonemia, hypoornithinemia, hypocitrullinemia, hypoargininemia and hypoprolinemia and may be associated with neurodegeneration, cataracts and connective tissue diseases. Alternatively spliced transcript variants, encoding different isoforms, have been described for ALDH18A1.				
	Rabbit anti Human ALDH18A1 antibody detects a band of 82 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.				
Western Blotting	Anti ALDH18A1 detects a band of approximately 82 kDa in HepG2 cell lysate				
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles				
Guarantee	12 months from date of despatch				
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.				
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VPA00358 10040				
Regulatory	For research purposes only				

Related Products

Immunogen

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) HRP

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21	То			
America	Fax: +1 919 878 3751 Fax: +44 (0)1865 852 739				Fax: +49 (0) 89 8090 95 50	find a			
	Email: antibody_sales_us@bic	Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com					
batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets									
'M374238:201027'									

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