#85828

ALDH1L1 (E7I2Q) Rabbit mAb



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Applications: W, W-S, IP, IF-F	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 98	Source/Isotype: Rabbit IgG	UniProt ID: #O75891	Entrez-Gene Id: 10840		
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation Immunofluorescence (Frozen)			Dilution 1:1000 1:50 - 1:250 1:50 1:50			
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>		ol and less than					
Specificity/Sensitivity		ALDH1L1 (E7I2Q) Rabbit mAb recognizes endogenous levels of total ALDH1L1 protein. This antibody detects a non-specific band of unknown origin in rodent tissue extracts at 47 kDa.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val431 of human ALDH1L1 protein.						
Background		Aldehyde dehydrogenase 1 family member L1 (ALDH1L1), also known as 10-formyltetrahydrofolate dehydrogenase (FDH), is a member of the aldehyde dehydrogenase super family. It is a key enzyme in folate metabolism, playing an important role in regulation of cellular metabolism including proliferation (1,2). Downregulation of ALDH1L1 has been seen in tumors, leading to decreased suppression of cancer cell proliferation (2,3).						
		of the brain, labeling b	oth the cell body a eurons (4). It has be	eful astrocyte marker th nd processes of astrocyt een shown that expressi ring astrogliosis (5).	es. ALDH1L1 does	not label		
Background Re	eferences	1. Krupenko, S.A. (2009) <i>Chem Biol Interact</i> 178, 84-93. 2. Krupenko, S.A. and Oleinik, N.V. (2002) <i>Cell Growth Differ</i> 13, 227-36. 3. Chen, X.Q. et al. (2012) <i>Med Oncol</i> 29, 1843-9. 4. Cahoy, J.D. et al. (2008) <i>J Neurosci</i> 28, 264-78. 5. Michalovicz, L.T. et al. (2019) <i>J Neurochem</i> 150, 420-40.						
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot B	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications K	еу	W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation IF-F: Immunofluorescence (Frozen)						
Cross-Reactivit	ty Key	H: Human M: Mouse R: Rat						
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