mAb

#12574 Store at -20C

Cell Signaling DAG Lipase β (D4P7C) Rabbit

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Rabbit IgG	UniProt ID: #Q8NCG7	Entrez-Gene Id: 221955		
Product Usage Information	App Wes Imm	Dication Stern Blotting Nunoprecipitation			Dilution 1:1000 1:50			
Storage	Supp 0.029	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitiv	rity DAG tissue	DAG Lipase β (D4P7C) Rabbit mAb recognizes endogenous levels of total DAG Lipase β protein. In some tissues, this antibody may detect a 48 kDa protein of unknown origin.						
Species predicted to react based on 100% sequence homology	Monł 6 7:	key						
Source / Purification	Mono resid	oclonal antibody is ues surrounding Le	produced by imm eu505 of human I	nunizing animals with a s DAG Lipase β protein.	synthetic peptide corre	sponding to		
Background Background Referer	Diacy two r intrac conta diacy cann sugg lipas pathe DCES 1. Bis	Diacylglycerol (DAG) lipases comprise two enzymes called DAG lipase α and β , which are the products of two related genes (1). DAG lipases are transmembrane proteins composed of a short amino-terminal intracellular domain, four transmembrane domains, and a large carboxy-terminal cytoplasmic domain containing the active site. These enzymes are responsible for the biosynthesis of 2-acylglycerol from diacylglycerol in a calcium-dependent manner (1). One of the major endocannabinoid ligands that activate cannabinoid receptors, 2-arachidonyl glycerol (2-AG), is produced by DAG lipases (2). Research studies suggest that DAG lipase α is the isoform primarily responsible for the central production of 2-AG (3). DAG lipase β has been implicated in studies of 2-AG production at the periphery in specific cell types and pathophysiological contexts, such as in hepatic stellate cells during alcohol induced fatty liver (4).						
Background Kelerer	2. Me 3. Yo 4. Je	echoulam, R. et al. shino, H. et al. (201 ong, W.I. et al. (200	(1995) Biochem L1) J Physiol 589 08) Cell Metab 7,	, 400 0. Pharmacol 50, 83-90. 0, 4857-84. 227-35.				
Species Reactivity	Speci	es reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	stern blot).		
Western Blot Buffer	IMPO 0.1%	RTANT: For wester Tween® 20 at 4°C	n blots, incubate with gentle shaki	membrane with diluted ing, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,		
Applications Key	WB:	Western Blotting IP	: Immunoprecipi	tation				
Cross-Reactivity Ke	y H: hui X: Xe GP: G	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						
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Limited Uses								

DAG Lipase β (D4P7C) Rabbit mAb (#12574) Datasheet Without Images Cell Signaling Technology

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