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Product datasheet for TA309164

Marcks Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser152/156 conjugated to KLH
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	87 kDa
Gene Name:	myristoylated alanine rich protein kinase C substrate
Database Link:	NP_001258019 Entrez Gene 25603 Rat
Background:	This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. The protein has been implicated in the development of Alzheimer's disease, and mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]
Synonyms:	80K-L; FLJ14368; FLJ90045; MACS; MRACKS; phosphomyristin; PKCSL; PRKCSL

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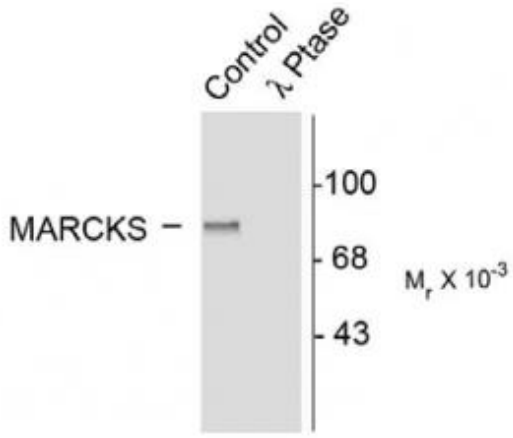
Product images:



Western blot of rat brain lysate showing specific immunolabeling of the ~87k MARCKS protein phosphorylated at Serr152, 156 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: Î»-Ptase). The blot is identical to the control except that it was incubated in Î»-Ptase (1200 units for 30 min) before being exposed to the MARCKS Ser152, 156 antibody. The immunolabeling is completely eliminated by treatment with Î»-Ptase.