

Datasheet for 612-401-D70

MARCKS phospho S152/phospho S156 Antibody**Overview**

Description:	Anti-MARCKS pS152/pS156 (RABBIT) Antibody - 612-401-D70
Item No.:	612-401-D70
Size:	100 µL
Applications:	WB
Reactivity:	Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	MARCKS pS152/pS156 antibody detects MARCKS when phosphorylated at both Ser152 and Ser156 Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) is a major substrate for phosphorylation by protein kinase C (PKC). The phosphorylation of Ser152/156 can be used as a measure of PKC activation although these sites are also phosphorylated by PRK1 MARCKS is a member of a family of calmodulin binding proteins and phosphorylation of Ser 152/156 modulates the binding of MARCKS to calmodulin. Therefore, phosphorylated MARCKS antibody is ideal for investigators involved in Cell Signaling, Cell migration and Cancer Research.
Synonyms:	Myristoylated alanine-rich C-kinase substrate, Protein kinase C substrate 80 kDa protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Marcks
Reactivity:	Mouse, Rat
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-MARCKS pS152/pS156 Antibody was produced in rabbit by repeated immunizations with synthetic phospho-peptide corresponding to amino acid residues surrounding Ser 152/156 conjugated to KLH.
Purity/Specificity:	Anti-MARCKS pS152/pS156 antibody is directed against MARKS doubly phosphorylated at Ser152 and Ser156. MARCKS antibody are affinity purified from monospecific antiserum by immunoaffinity purification. Immunolabeling is blocked by the phosphopeptide used as the antigen but not by the corresponding dephosphopeptide. The immunolabeling is completely eliminated by lambda-phosphatase. Expect reactivity with the following species based on sequence homology: bovine, chicken, human, mouse, Xenopus and zebra fish. Cross reactivity with MARCKS pS152/pS156 from other species has not been determined.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P30009• GeneID - 3028

Application Details

Tested Applications:	WB
Application Note:	Anti-MARCKS pS152/pS156 (Rabbit) antibody is tested for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 87 kDa in size corresponding to MARCKS protein phosphorylated at Ser 152/156 in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:1000

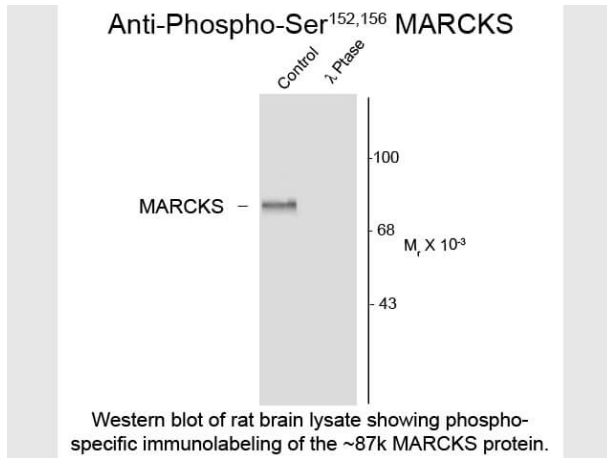
Formulation

Physical State:	Liquid
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-MARCKS pS152/pS156 antibody. Lane 1: rat brain lysate. Lane 2: rat brain lysate incubated in λ-Ptase (1200 units for 30 min). Load: 10 µg per lane. Primary antibody: MARCKS pS152/pS156 antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 87 kDa, 87 kDa for MARCKS pS152/pS156. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.