

Product datasheet for **AP09469PU-S**

MARCKS pSer170 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500~1/1000. Immunohistochemistry on Paraffin Sections: 1/50~1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human MARCKS around the phosphorylation site of Serine 170 (G-F-Sp-F-K).
Specificity:	This antibody detects endogenous levels of MARCKS only when phosphorylated at Threonine 170.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	myristoylated alanine rich protein kinase C substrate
Database Link:	Entrez Gene 4082 Human P29966



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Background: MARCKS, (Myristoylated Alanine-Rich C Kinase Substrate), is a member of a family of calmodulin binding proteins and 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. Phosphorylation of Ser152/156 modulates the binding of MARCKS to calmodulin.

Synonyms: Myristoylated alanine-rich C-kinase substrate, MACS, PRKCSL

Protein Families: Druggable Genome

Protein Pathways: Fc gamma R-mediated phagocytosis

Product images:

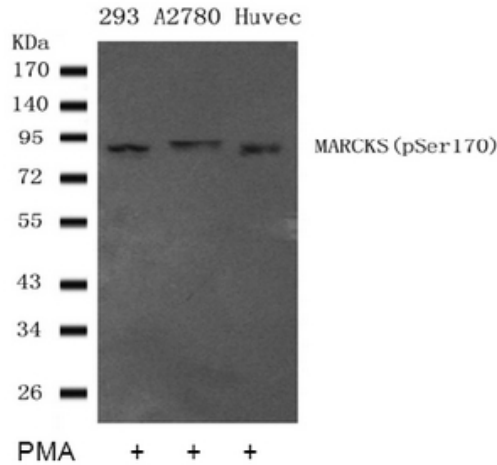
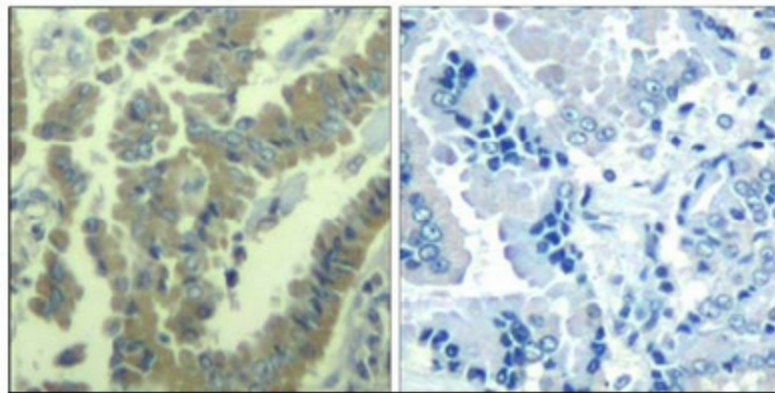


Figure 2. Western blot analysis of extracts from 293, A2780 and Huvec cells, using MARCKS pSer170 antibody.



P-Peptide - +

Figure 1. Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using MARCKS pSer170 antibody