

## Product datasheet for **AP02531PU-S**

### **MARCKS pSer158 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	Western Blot: 1/500-1/1000. Immunofluorescence: 1/100-1/200.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The antiserum was produced against synthesized phosphopeptide derived from human MARCKS around the phosphorylation site of serine 158 (R-F-SP-F-K).
<b>Specificity:</b>	This antibody detects endogenous levels of MARCKS only when phosphorylated at Serine 158.
<b>Formulation:</b>	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	myristoylated alanine rich protein kinase C substrate
<b>Database Link:</b>	<a href="#">Entrez Gene 4082 Human P29966</a>



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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

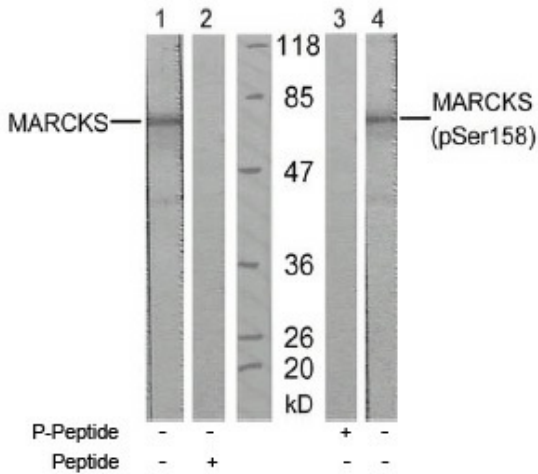
**Product images:**


Figure 1. Western blot analysis of extract from starved NIH/3T3 cells, using MARCKS antibody (Lane 1 and 2) and MARCKS pSer158 antibody (Lane 3 and 4).

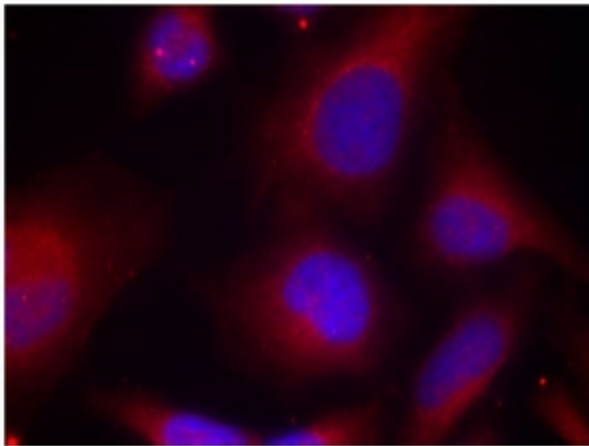


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using MARCKS pSer158 antibody (Red).