

## Product datasheet for **AP20755PU-N**

### MARCKS Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of MARCKS protein. (region surrounding Arg157)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 32, 75, 87 kDa
Gene Name:	myristoylated alanine rich protein kinase C substrate
Database Link:	<a href="#">Entrez Gene 17118 Mouse</a> <a href="#">Entrez Gene 25603 Rat</a> <a href="#">Entrez Gene 4082 Human P29966</a>



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**Background:**

Myristoylated alanine-rich protein kinase C substrate (MARCKS), also designated 80K or 80K-L, has been identified as a major cellular substrate for protein kinase C. Human MARCKS is a 332 amino acid protein with a calculated molecular weight of 31.534 kDa; however, it has been shown to run at 80-87 kDa on Western blot. The plasma membrane bound protein dissociates from the membrane upon phosphorylation by various PKC isoforms. In NIH/3T3 fibroblasts, PKC alpha and PKC epsilon, but not PKC delta, are responsible for MARCKS phosphorylation. MARCKS has been found to bind calmodulin, Actin and Synapsin and is a filamentous (F) Actin crosslinking protein.

**Synonyms:**

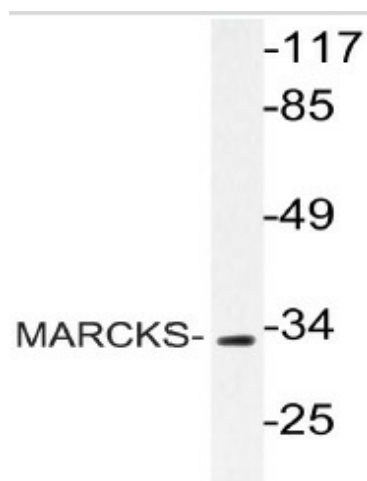
Myristoylated alanine-rich C-kinase substrate, MACS, PRKCSL

**Protein Families:**

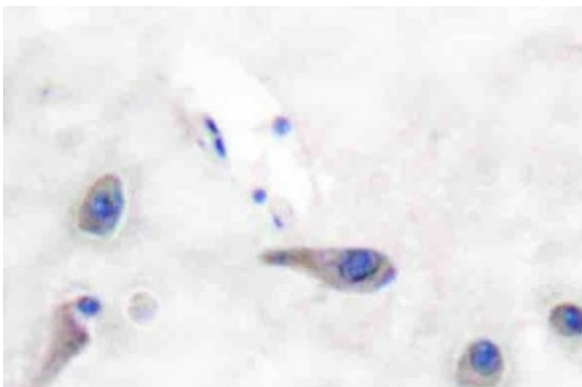
Druggable Genome

**Protein Pathways:**

Fc gamma R-mediated phagocytosis

**Product images:**

Western blot (WB) analyzes of MARCKS antibody (Cat.-No.: AP20755PU-N) in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of MARCKS antibody (Cat.-No.: AP20755PU-N) in paraffin-embedded human brain tissue.