

Anti-Phospho-Ser152/156 MARCKS Antibody

Product Data Sheet · P/N 74100 Rev 01 · Reissued 2026-09-19 (layout only)

Product code	Pack size
P40018-100	100 µL
Host Species	Rabbit (Polyclonal)
Mr (kDa)	87

Description

Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) is a major substrate for phosphorylation by protein kinase C (PKC) (Ouimet et al.,

1990). The phosphorylation of Ser152/156 can be used as a measure of PKC activation although these sites are also phosphorylated by PRK1 (Palmer et al., 1996) MARCKS is a member of a family of calmodulin binding proteins and phosphorylation of Ser152/156 modulates the binding of MARCKS to calmodulin (Verghese et al., 1994).

Immunogen

Phosphopeptide corresponding to amino acid residues surrounding the phospho- Ser152/156 of MARCKS. Specific for the ~87k MARCKS protein phosphorylated at Ser152 and Ser156 in Western blots. Immunolabeling is blocked by the phosphopeptide used as the antigen but not by the corresponding dephosphopeptide. The immunolabeling is completely eliminated by λ- phosphatase.

Species Reactivity

The antibody has been directly tested for reactivity in Western blots with rat tissue.

It is anticipated that the antibody will react with bovine, chicken, human, mouse, Xenopus and zebra fish based on the fact that these species have 100% homology with the amino acid sequence used as antigen.

Physical State

Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol

Purification Method

Prepared from rabbit serum by affinity purification via sequential chromatography on phospho- and dephosphopeptide affinity columns.

Recommended Antibody Dilutions

WB: 1:1000

Storage/Stability

Stable at -20 °C for at least 1 year.

For long term storage -20 °C is recommended

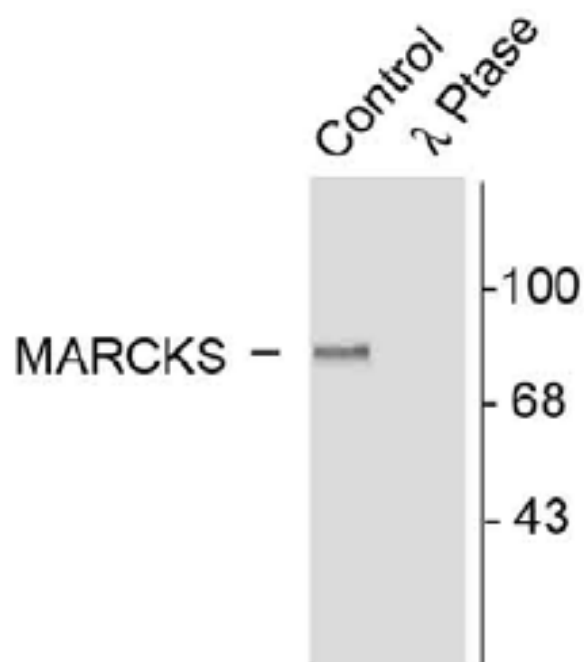
Shipping Conditions

Domestic: Blue Ice

International: Blue Ice or Dry Ice

References

- 1) Ouimet CC et al. (1990) J Neurosci 10:1683-1698.
- 2) Palmer RH et al. (1996) FEBS Lett 378:281-285.
- 3) Verghese GM et al. (1994) J Biol Chem 269:9361-9367.



Western Blot Rat brain lysate showing specific immunolabeling of the ~87k MARCKS protein phosphorylated at Ser152/156 (Control). The immunolabeling is completely eliminated by treatment with λ- Phosphatase, lane 2.

For research use or further manufacturing only. Not for use in diagnostic procedures, or for human or animal consumption.