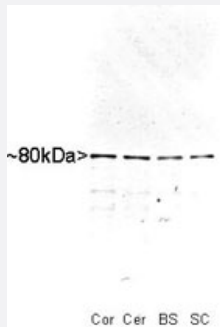


MARCKS polyclonal antibody

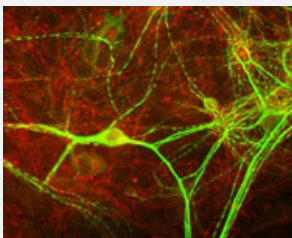
Catalog # PAB12564 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of MARCKS in whole rat cortex (Co), cerebellum (Ce), brain stem (BS) and spinal cord (SC) homogenate stained with MARCKS polyclonal antibody (Cat # PAB12564) at dilution of 1 : 10,000.



Immunofluorescence

View of mixed neuron/glia cultures stained with our MARCKS antibody (red) and MAP2 polyclonal antibody (Cat # PAB12564), our antibody to MAP2 made in chicken. Note that the MARCKS antibody stains vesicular structures both in the glial cells and in the dendrites of the neurons, which are strongly stained with the MAP2 antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant MARCKS.
Immunogen	Recombinant protein corresponding to full length MARCKS.
Host	Rabbit
Reactivity	Rat
Specificity	The MARCKS protein runs at about 80KDa on SDS-PAGE gels, although the real molecular weight is much lower, at about 31.5KDa. The reason for this is probably because the protein is extremely rich in acidic residues. Such proteins appear to bind less SDS than the average protein, and so migrate in PAGE more slowly than the normal protein.

Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Immunocytochemistry (1:5000) Immunofluorescence (1:500-1:1000) Western Blot (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In antiserum
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of MARCKS in whole rat cortex (Co), cerebellum (Ce), brain stem (BS) and spinal cord (SC) homogenate stained with MARCKS polyclonal antibody (Cat # PAB12564) at dilution of 1 : 10,000.

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

View of mixed neuron/glia cultures stained with our MARCKS antibody (red) and MARCKS polyclonal antibody (Cat # PAB12564), our antibody to MAP2 made in chicken. Note that the MARCKS antibody stains vesicular structures both in the glial cells and in the dendrites of the neurons, which are strongly stained with the MAP2 antibody.

Publication Reference

- [MARCKS deficiency in mice leads to abnormal brain development and perinatal death.](#)

Stumpo DJ, Bock CB, Tuttle JS, Blackshear PJ.

PNAS 1995 Feb; 92(4):944.

Application: WB-Ti, Mouse, Mouse brains

- [The MARCKS family of cellular protein kinase C substrates.](#)

Blackshear PJ.

The Journal of Biological Chemistry 1993 Jan; 268(3):1501.

- [Purification of two distinct proteins of approximate Mr 80,000 from human epithelial cells and identification as proper substrates for protein kinase C.](#)

Hirai M, Shimizu N.

The Biochemical Journal 1990 Sep; 270(3):583.

Application: AFC, IP, Rat, Rat purified proteins