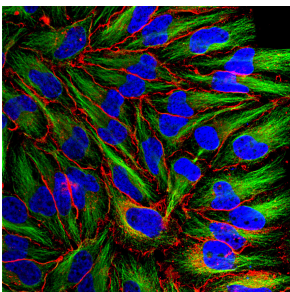


Anti-MARCKS Antibody (A85457)

Specifications:

Name:	Anti-MARCKS Antibody
Description:	Rabbit polyclonal antibody to MARCKS.
Applications:	WB, ICC/IF
Recommended Dilutions:	WB: 1:10,000-1:20,000, ICC/IF: 1:500-1:1,000
Reactivity:	Human
Cross Reactivity:	This antibody does not cross-react with rodent.
Immunogen:	Recombinant full-length human MARCKS, expressed in and purified from E. coli.
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	80kDa (by SDS-PAGE)
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

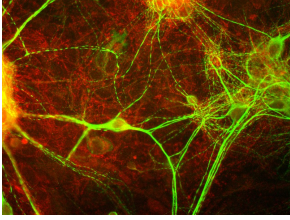
Images:



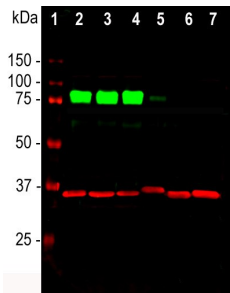
Immunofluorescent analysis of HeLa cells stained with Anti-MARCKS Antibody (1:1,000 | red) and Anti-Beta Tubulin Antibody (A85428 | 1:10,000 | green). The blue is DAPI staining of nuclear DNA. Anti-MARCKS Antibody recognizes protein expressed in the plasma membrane and cytoplasm, while the Anti-Beta Tubulin Antibody stains microtubules.

Anti-MARCKS Antibody (A85457)

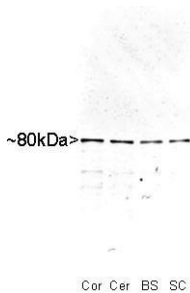
Images continued:



View of mixed neuron/glia cultures stained with Anti-MARCKS Antibody (red) and Anti-MAP2 Antibody (A85363 | green). Note that the Anti-MARCKS Antibody stains vesicular structures both in the glial cells and in the dendrites of the neurons, which are strongly stained with the Anti-MAP2 Antibody.



Western blot analysis of cell line lysates probed simultaneously with Anti-MARCKS Antibody (1:1,000 | green) and Anti-GAPDH Antibody (A85382 | 1:5,000 | red): [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS1, [6] NIH-3T3, [7] C6 cells. The strong band at 80kDa corresponds to MARCKS protein, detected only in the proteins of human origin. Slight reactivity is observed in the monkey cells [5], but no reactivity is seen on rodent cells. Anti-GAPDH Antibody was used as a loading control - revealing a single band at ~37kDa in all preparations.



Western blot of whole rat cortex (Co), cerebellum (Ce), brain stem (BS) and spinal cord (SC) homogenate stained with Anti-MARCKS Antibody (1:10,000). A prominent band running with an apparent SDS-PAGE molecular weight of ~80 kDa corresponds to MARCKS.