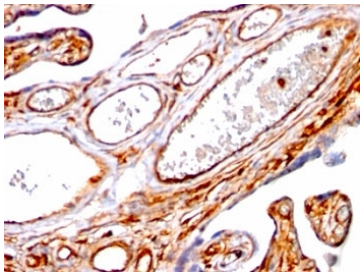
Moesin Antibody [clone SPM562] (V9046)

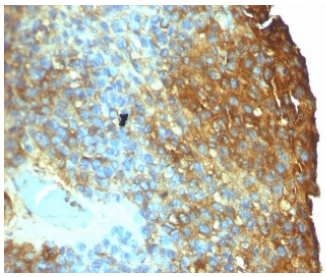
Catalog No.	Formulation	Size
V9046-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9046-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9046SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9046IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

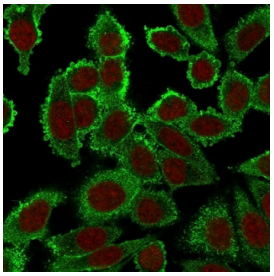
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM562
Purity	Protein G affinity chromatography
UniProt	P26038
Localization	Cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml
Limitations	This Moesin antibody is available for research use only.



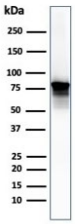
IHC: Formalin-fixed, paraffin-embedded human placenta stained with Moesin antibody (clone SPM562).



IHC: Formalin-fixed, paraffin-embedded human melanoma stained with Moesin antibody (clone SPM562).



Immunofluorescent staining of PFA-fixed human HeLa cells with Moesin antibody (clone SPM562, green) and Reddot nuclear stain (red).



Western blot testing of human PC3 lysate with Moesin antibody (clone SPM562). Predicted molecular weight ~68 kDa but routinely observed at 68-78 kDa.

Description

Recognizes 78kDa moesin protein. Moesin, a member of the Talin-4.1 superfamily, is a linking protein of the submembraneous actin cytoskeleton. It is expressed in variable amounts in cells of different phenotypes such as macrophages, lymphocytes, fibroblastic, endothelial, epithelial, and neuronal cell lines but not in blood cells. The ERM proteins, ezrin, radixin, and moesin are involved in a variety of cellular functions, such as cell adhesion, migration, and the organization of cell surface structures, and are highly homologous, both in protein sequence and in functional activity, with merlin/schwannomin, a neurofibromatosis-2-associated tumor-suppressor protein. Cell lines of epithelial and mesothelial origin contain both moesin and radixin whereas cells of endothelial and lymphoid origin express moesin.

Application Notes

The optimal dilution of the Moesin antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein was used as the immunogen for this Moesin antibody.

Storage

Store the Moesin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).