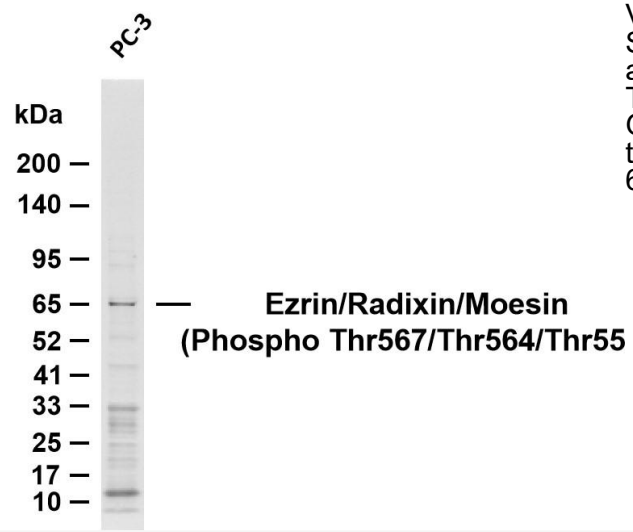
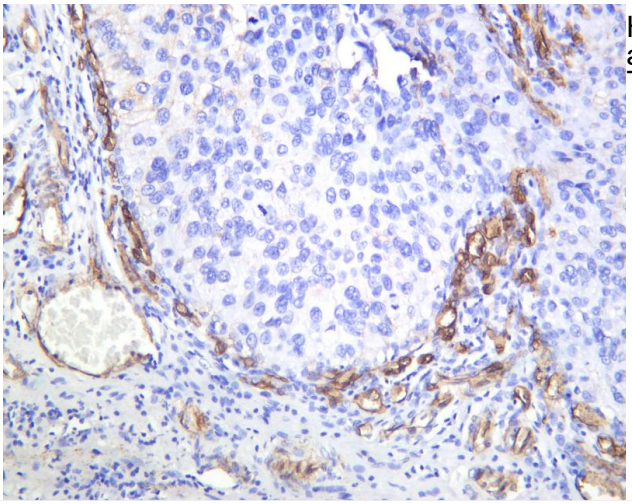
Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) Rabbit mAb

Catalog No	YP-rAb-18333
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	MSN
Protein Name	Moesin
Purification Process	Protein A
Specificity	Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) Antibody detects endogenous levels of Moesin/Ezrin/Radixin protein only when phosphorylated at Thr567/Thr564/Thr558.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):YKtLR
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	MSN ; Moesin ; Membrane-organizing extension spike protein ; RDX ; Radixin ; EZR ; VIL2 ; Ezrin ; Cytovillin ; Villin-2 ; p81
Observed Band	65kD
Calculated Molecular Weight	69kD
Cell Pathway	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytoskeleton . Apical cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, microvillus membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, microvillus . Phosphorylated form is enriched in microvilli-like structures at apical membrane. Increased cell membrane localization of both phosphorylated and non-phosphorylated forms seen after thrombin treatment (By similarity). Localizes at the uropods of T lymphoblasts. .

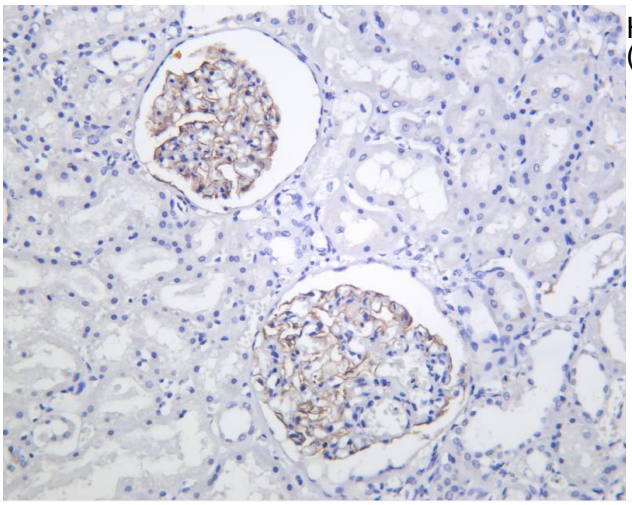
Tissue Specificity	In all tissues and cultured cells studied.
Function	Probably involved in connections of major cytoskeletal structures to the plasma membrane.,PTM:Phosphorylation on Thr-558 is crucial for the formation of microvilli-like structures.,similarity:Contains 1 FERM domain.,subcellular location:Phosphorylated form is enriched in microvilli-like structures at apical membrane.,subunit:In resting T-cells, part of a PAG1-SLC9A3R1-MSN complex which is disrupted upon TCR activation (By similarity). Binds SLC9A3R1.,tissue specificity:In all tissues and cultured cells studied.,
Background	Moesin (for membrane-organizing extension spike protein) is a member of the ERM family which includes ezrin and radixin. ERM proteins appear to function as cross-linkers between plasma membranes and actin-based cytoskeletons. Moesin is localized to filopodia and other membranous protrusions that are important for cell-cell recognition and signaling and for cell movement. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



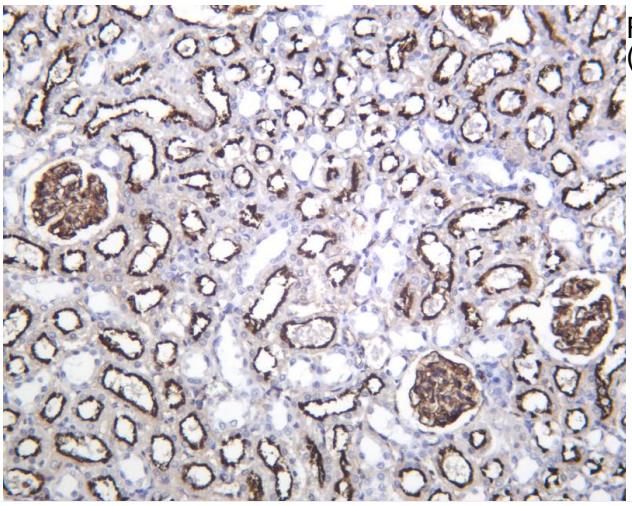
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: PC-3 Predicted band size: 69kDa Observed band size: 65kDa



Human bladder carcinoma was stained with anti-Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) Rabbit antibody



Human kidney was stained with anti-Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) Rabbit antibody



Rat kidney was stained with anti-Ezrin/Radixin/Moesin (Phospho Thr567/Thr564/Thr558) Rabbit antibody