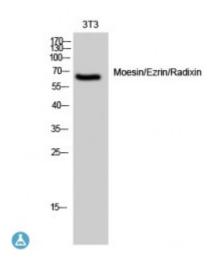


## Anti-Moesin/Ezrin/Radixin antibody



**Description** Rabbit polyclonal to Moesin/Ezrin/Radixin.

Model STJ94178

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Applications** ELISA, IHC, WB

Immunogen Synthesized peptide derived from human Moesin/Ezrin/Radixin around the

non-phosphorylation site of T558.

**Immunogen Region** 500-580 aa

**Gene ID** <u>4478</u>

Gene Symbol MSN

**Dilution range** WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

**Specificity** Moesin/Ezrin/Radixin Polyclonal Antibody detects endogenous levels of

Moesin/Ezrin/Radixin protein.

**Tissue Specificity** In all tissues and cultured cells studied.

**Purification** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name** Moesin Membrane-organizing extension spike protein

Molecular Weight 67 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:7373OMIM:300988</u>

**Alternative Names** Moesin Membrane-organizing extension spike protein

**Function** Probably involved in connections of major cytoskeletal structures to the

plasma membrane. May inhibit herpes simplex virus 1 infection at an early stage. Plays a role in regulating the proliferation, migration, and adhesion of human lymphoid cells and participates in immunologic synapse formation .

Sequence and Domain Family The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-

nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.

Cellular Localization Cell membrane Cytoplasm, cytoskeleton Apical cell membrane Cell

projection, microvillus membrane. 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.

**Post-translational** Phosphorylation on Thr-558 is crucial for the formation of microvilli-like

structures. Phosphorylation by ROCK2 suppresses the head-to-tail association of the N-terminal and C-terminal halves resulting in an opened conformation

which is capable of actin and membrane-binding . Phosphorylation on Thr-558 by STK10 negatively regulates lymphocyte migration and

polarization. S-nitrosylation of Cys-117 is induced by interferon-gamma and oxidatively-modified low-densitity lipoprotein (LDL(ox)) implicating the

iNOS-S100A8/9 transnitrosylase complex.

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**Modifications** 

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