

MSN-3

Uniprot ID: [P26038](#)

Protein name: MOES_HUMAN

Full name: Moesin

Protein existence: evidence at protein level

Function: Probably involved in connections of major cytoskeletal structures to the plasma membrane.

Subcellular location: Cell membrane; Peripheral membrane protein; Cytoplasmic side (by similarity). Cytoplasm (by similarity); Cytoskeleton (by similarity). Apical cell membrane; Peripheral membrane protein; Cytoplasmic side (by similarity). Cell projection; Microvillus membrane; Peripheral membrane protein; Cytoplasmic side (by similarity). *NOTE:* Phosphorylated form is enriched in microvilli-like structures at apical membrane (By similarity). Increased cell membrane localization of both phosphorylated and non-phosphorylated forms seen after thrombin treatment.

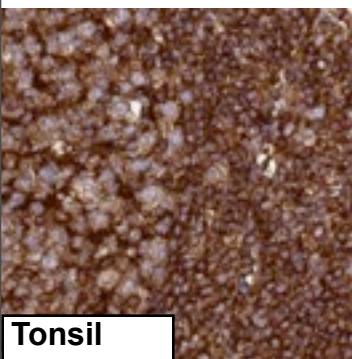
Tissue specificity: In all tissues and cultured cells studied.

Three antibodies: MSN-1, MSN-2 and MSN-3 were tested. All three antibodies were approved for IHC. MSN-3 was selected for full protein profiling.

MSN-3 (CAB047338)

OK

Immunohistochemistry



Tonsil

IHC protocol: HIER pH 6, Dilution 1:60000

IHC test staining: **Cytoplasmic staining mainly in lymphoid cells and endothelial cells.**

IHC Annotators comments

Lymphoid tissues, endothelial cells and kidney showed strong cytoplasmic staining. Remaining normal tissues displayed weak to moderate positivity except for liver, islets of Langerhans, urothelium, trophoblastic cells, glial cells and skeletal myocytes which were negative.

Immunofluorescence

IF Overlay: antibody (green), anti-tubuline (red) and DAPI (blue)

IF Localization: Staining of cytoplasm and plasma membrane in all three cell lines.

IF Validation: The subcellular location is supported by literature.



U-2OS

Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 68

WB Validation: Supportive (Band of predicted size in kDa (+/-20%) with additional bands present)

