

Rabbit Moesin/Ezrin/Radixin Polyclonal Antibody | anti-MSN antibody

Phospho-Moesin/Ezrin/Radixin (Thr558) Antibody

CATALOG # AAA31305	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

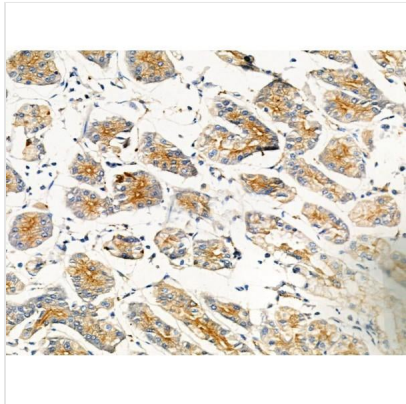
Moesin/Ezrin/Radixin; Polyclonal Antibody; Phospho-Moesin/Ezrin/Radixin (Thr558) Antibody; Villin 2 ezrin; CVIL; CVL; Cytovillin 2; Cytovillin; DKFZp762H157; Epididymis secretory protein Li 105; EZR; EZRI_HUMAN; Ezrin; FLJ26216; HEL S 105; MGC1584; p81; VIL 2; VIL2; Villin 2 (ezrin); Villin 2; Villin-2; Villin2; Epididymis luminal protein 70; HEL70; Membrane organizing extension spike protein; Membrane-organizing extension spike protein; MOES_HUMAN; Moesin; Moesin/anaplastic lymphoma kinase fusion protein; Msn; MSN/ALK fusion; CB567; CG12537; DFNB24; ESP10; Hh-induced MATH and BTB domain-containing protein; HIB; Moesin-B; Protein roadkill; RADL_HUMAN; Radixin; RDX; anti-MSN antibody

PRODUCT SPECIFICATIONS

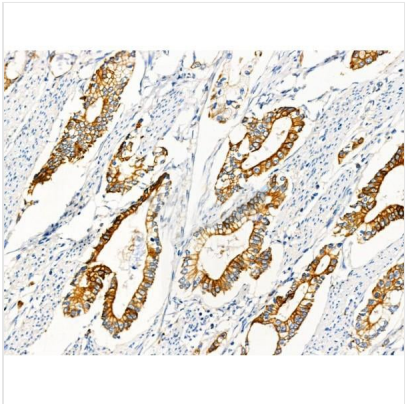
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Moesin/Ezrin/Radixin (Thr558) Antibody detects endogenous levels of Moesin/Ezrin/Radixin only when phosphorylated at Thr558. Tissue Specificity: In all tissues and cultured cells studied.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MSN antibody	IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Moesin/Ezrin/Radixin around the phosphorylation site of Thr558.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated by tyrosine-protein kinases. 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 (By similarity).
Subunit Structure	Binds SLC9A3R1. Interacts with NHERF1, NHERF2, LAYN, MME/NEP and ICAM2. Interacts with CPNE1 (via VWFA domain) and CPNE4 (via VWFA domain). Interacts with SPN and CD44 (By similarity).
Similarity	The N-terminal domain interacts with the C-terminal domain of LAYN. An interdomain interaction between its N-terminal and C-terminal domains inhibits its ability to bind LAYN. In the presence of acidic phospholipids, the interdomain interaction is inhibited and this enhances binding to LAYN (By similarity).

Subcellular Location	Cell membrane>Peripheral membrane protein>Cytoplasmic side. Cytoplasm>Cytoskeleton. Cleavage furrow. Cell projection>Microvillus. Note: Highly concentrated in the undercoat of the cell-to-cell adherens junction and the cleavage furrow in the interphase and mitotic phase, respectively.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

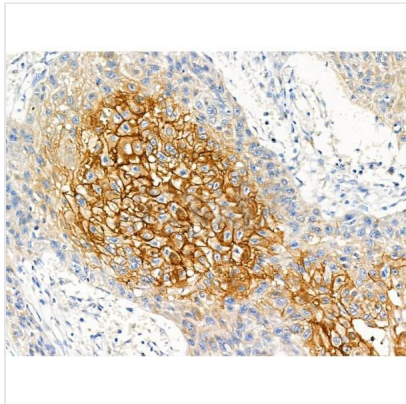
IMAGES



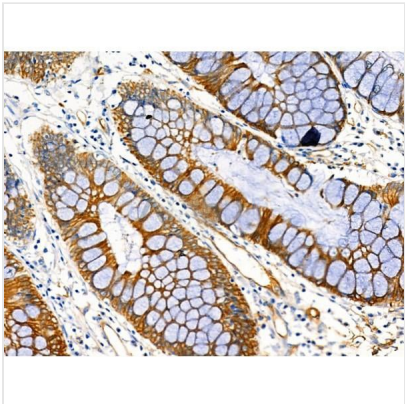
IHC (Immunohistochemistry)
At 1/100 staining Human gastric cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



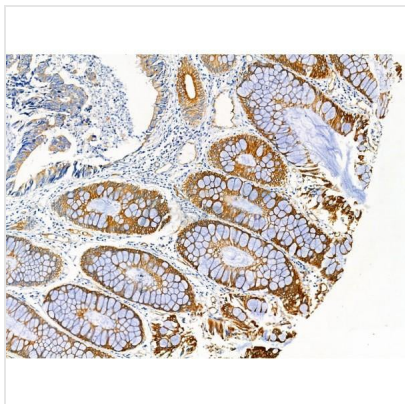
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IHC (Immunohistochemistry)
At 1/100 staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

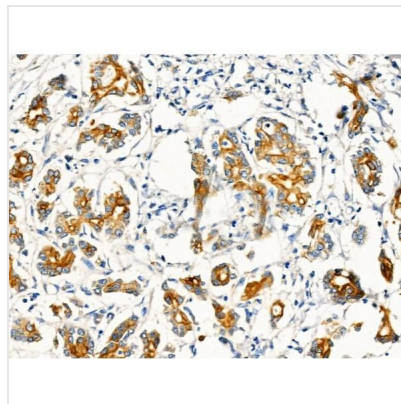


IHC (Immunohistochemistry)
At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human pancreatic cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MSN antibody

Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.

NCBI AND UNIPROT INFORMATION

NCBI GI #	161702986
NCBI GeneID	7430
NCBI Accession #	NP_001104547.1
NCBI GenBank Nucleotide #	NM_001111077.1
UniProt Accession #	P15311; P26038; P35241
Molecular Weight	69,413 Da
NCBI Official Full Name	ezrin
NCBI Official Synonym Full Names	ezrin
NCBI Official Symbol	EZR
NCBI Official Synonym Symbols	CVL; CVIL; VIL2
NCBI Protein Information	ezrin; p81; villin-2; cytovillin 2; villin 2 (ezrin)
UniProt Protein Name	Ezrin
UniProt Gene Name	EZR
UniProt Synonym Gene Names	VIL2
UniProt Entry Name	EZRI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/moesin-ezrin-radixin-antibody-immunohistochemistry-peptide-elisa-elisa/31305>