磷酸化埃兹蛋白抗体

产品货号： mlR3133

英文名称： Phospho-Ezrin (Tyr353)

中文名称： 磷酸化埃兹蛋白抗体

别　　名： Ezrin (phospho Y353); Ezrin (phospho Tyr353); p-Ezrin (phospho Y353); Ezrin (phospho Y354); Ezrin (phospho Tyr354); CVIL; CVL; cytovillin 2; Cytovillin; DKFZp762H157; FLJ26216; MGC1584; p81; VIL 2; VIL2; Villin 2; Villin2; EZRI_HUMAN.

产品类型： 磷酸化抗体

研究领域： 肿瘤　心血管　细胞生物　信号转导　转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 64kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原 ： KLH conjugated Synthesised phosphopeptide derived from human Ezrin around the phosphorylation site of Tyr353:QD(p-Y)E

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 ： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 ： The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell surface structure adhesion, migration and organization, and it has been implicated in various human cancers. A pseudogene located on chromosome 3 has been identified for this gene. Alternatively spliced variants have also been described for this gene.

Function:

Probably involved in connections of major cytoskeletal structures to the plasma membrane. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, required for normal macropinocytosis.

Subunit:

Interacts with MPP5 and SLC9A3R2. Found in a complex with EZR, PODXL and SLC9A3R2 (By similarity). Interacts with MCC, PLEKHG6, PODXL, SCYL3/PACE1, SLC9A3R1 and TMEM8B. Interacts (when phosphorylated) with FES/FPS.

Subcellular Location:

Apical cell membrane. Cell projection. Cell projection > microvillus membrane. Cell projection > ruffle membrane. Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. Localization to the apical membrane of parietal cells depends on the interaction with MPP5. Localizes to cell extensions and peripheral processes of astrocytes (By similarity). Microvillar peripheral membrane protein.

Tissue Specificity:

Expressed in cerebral cortex, basal ganglia, hippocampus, hypophysis, and optic nerve. Weakly expressed in brain stem and diencephalon. Stronger expression was detected in gray matter of frontal lobe compared to white matter (at protein level). Component of the microvilli of intestinal epithelial cells. Preferentially expressed in astrocytes of hippocampus, frontal cortex, thalamus, parahippocampal cortex, amygdala, insula, and corpus callosum. Not detected in neurons in most tissues studied.

Post-translational modifications:

Phosphorylated by tyrosine-protein kinases.

Similarity:

Contains 1 FERM domain.

SWISS:

P15311

Gene ID:

7430

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

信号传导（Signaling Intermediates）

目前研究发现 Ezrin 蛋白与维持细胞的形状、极性、生长运动以及信号转导方面发挥重要作用，该蛋白与肿瘤的侵袭、转移有关。