

产品名称: Ezrin Rabbit Polyclonal Antibody
产品货号: APRab10671



产品概述 (Summary)

产品名称 (Production Name)	Ezrin Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	EZR
别名 (Alternative Names)	EZR; VIL2; Ezrin; Cytovillin; Villin-2; p81
基因 ID (Gene ID)	7430.0
蛋白 ID (SwissProt ID)	P15311. The antiserum was produced against synthesized peptide derived from human Ezrin. AA range: 511-560

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	70kDa

研究背景 (Background)

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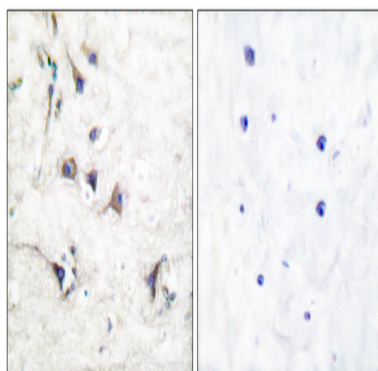


The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell 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. [provided by RefSeq, Jul 2008],developmental stage:Very strong staining is detected in the Purkinje cell layer and in part of the molecular layer of the infant brain compared to adult brain.,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.,PTM:Phosphorylated by tyrosine-protein kinases.,similarity:Contains 1 FERM domain.,subcellular location: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 (cytoplasmic side),subunit:Interacts with MPP5 (By similarity). Interacts with SLC9A3R1 and SCYL3/PACE1. Interacts with PLEKHG6. Interacts with NGX6.,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.,

研究领域 (Research Area)

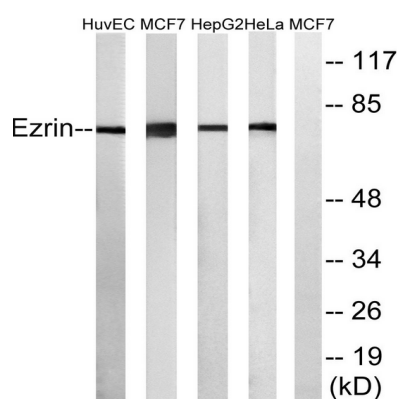
Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;Pathogenic Escherichia coli infection;

图片 (Image Data)

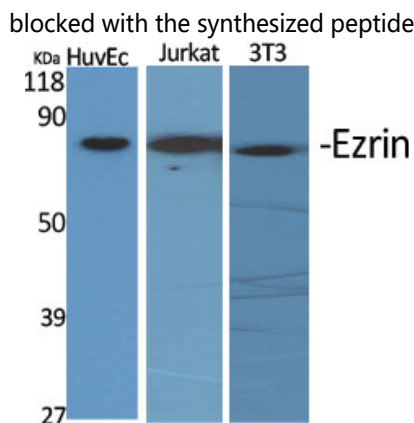


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Ezrin Antibody. The picture on the right is blocked with the synthesized peptide.

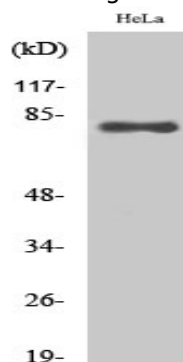
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Western blot analysis of lysates from HuvE, MCF-7, HepG2, and HeLa cells, using Ezrin Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of various cells using Ezrin Polyclonal Antibody diluted at 1: 2000



Western blot analysis of MCF7 cells using Ezrin Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .