10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Ezrin (Phospho-Tyr478) Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52487

Product Information

Application	WB
Primary Accession	P15311
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69413

Additional Information

Gene ID	7430
Other Names	Ezrin, Cytovillin, Villin-2, p81, EZR, VIL2
Dilution	WB~~1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	EZR
Synonyms	VIL2
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.
Cellular Location	Apical cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection. Cell projection, microvillus membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Cell projection, microvillus {ECO:0000250|UniProtKB:P26040}. Note=Localization to the apical membrane of parietal cells depends on the interaction with PALS1 Localizes to cell extensions and peripheral processes of astrocytes (By similarity). Microvillar peripheral membrane protein (cytoplasmic side). {ECO:0000250|UniProtKB:P31977}
Tissue Location	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

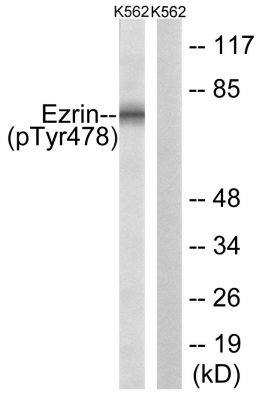
Background

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References

Gould K.L.,et al.EMBO J. 8:4133-4142(1989).
Turunen O.,et al.J. Biol. Chem. 264:16727-16732(1989).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Lane 1: The extracts from K562 cells treated with Na3VO4 (0.3nM, 40mins) using Ezrin (Phospho-Tyr478) antibody
Lane 2: The extracts from K562 cells treated with Na3VO4 (0.3nM, 40mins) plus phosphopeptide using Ezrin (Phospho-Tyr478) antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.