

Ezrin (phospho Tyr353) rabbit pAb**Cat#: orb770376 (Manual)**

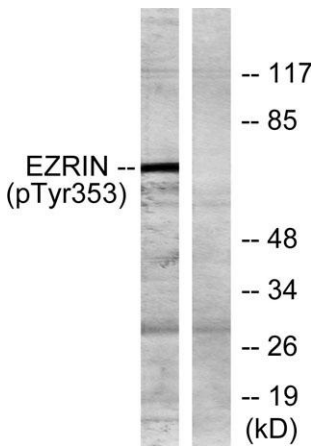
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Product Name	Ezrin (phospho Tyr353) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Ezrin around the phosphorylation site of Tyr353. AA range:321-370
Specificity	Phospho-Ezrin (Y353) Polyclonal Antibody detects endogenous levels of Ezrin protein only when phosphorylated at Y353.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Ezrin
Gene Name	EZR
Cellular localization	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 . 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) . .

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	69kD
Human Gene ID	7430
Human Swiss-Prot Number	P15311
Alternative Names	EZR; VIL2; Ezrin; Cytovillin; Villin-2; p81

Background

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],



Western blot analysis of lysates from A431 cells treated with EGF 200ng/ml 30', using Ezrin (Phospho-Tyr353) Antibody. The lane on the right is blocked with the phospho peptide.