

## Ezrin rabbit pAb

**Cat#: orb765188 (Manual)**

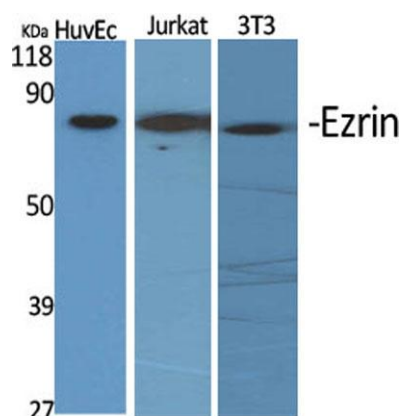
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Ezrin rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Ezrin. AA range:511-560
<b>Specificity</b>	Ezrin Polyclonal Antibody detects endogenous levels of Ezrin protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Ezrin
<b>Gene Name</b>	EZR
<b>Cellular localization</b>	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). .

<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	70kD
<b>Human Gene ID</b>	7430
<b>Human Swiss-Prot Number</b>	P15311
<b>Alternative Names</b>	EZR; VIL2; Ezrin; Cytovillin; Villin-2; p81

#### Background

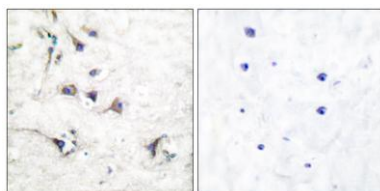
The cytoplasmic peripheral membrane protein encoded by this gene functions as a protein-tyrosine kinase substrate in microvilli. As a member of the ERM protein family, this protein serves as an intermediate between the plasma membrane and the actin cytoskeleton. This protein plays a key role in cell 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],



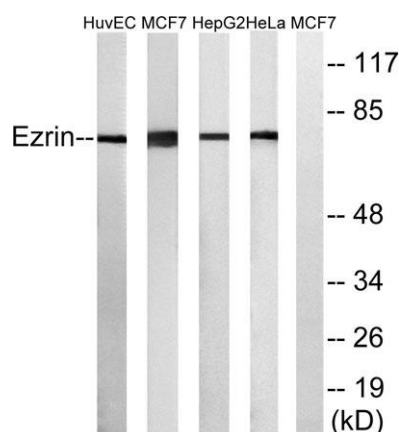
Western Blot analysis of various cells using Ezrin Polyclonal Antibody diluted at 1:2000



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



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



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.