

## Product datasheet for **AP02628PU-S**

### Ezrin (EZR) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | WB  |
| Recommended Dilution: | <b>Western Blot:</b> 1/500~1/1000.  |
| Reactivity:           | Human, Mouse  |
| Host:                 | Rabbit  |
| Clonality:            | Polyclonal  |
| Immunogen:            | The antiserum was produced against synthesized non-phosphopeptide derived from human Ezrin around the phosphorylation site of tyrosine 353 (Q-D-YP-E-E).                                |
| Specificity:          | Ezrin antibody detects endogenous levels of total Ezrin protein.  |
| Formulation:          | PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4 containing 150mM NaCl, 0.02% sodium azide and 50% glycerol<br>State: Aff - Purified<br>State: Liquid purified IgG fraction |
| Concentration:        | lot specific  |
| Purification:         | Affinity-chromatography using epitope-specific immunogen  |
| Conjugation:          | Unconjugated  |
| Storage:              | Upon receipt, store undiluted (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | ezrin   |
| Database Link:        | <a href="#">Entrez Gene 7430 Human P15311</a>   |

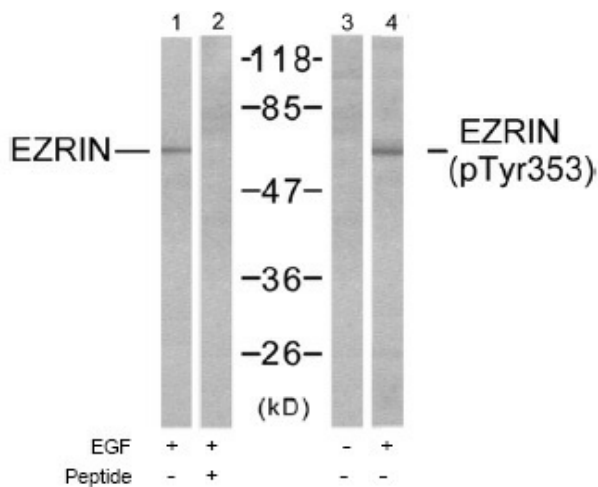
**Background:** Ezrin (also known as p81, 80K, or cytovillin) is a cytoplasmic protein which is enriched in microvilli and other cell surface structures. Its NH<sub>2</sub>-terminal domain is associated with the plasma membrane and the COOH-terminal domain with the cytoskeleton. Ezrin has an actin-binding capability. Ezrin is expressed in epithelial cells but not in mesenchymal cells. Ezrin is also expressed by certain epithelial tumors, such as renal cell adenocarcinomas. Ezrin serves as a tyrosine kinase substrate, and is phosphorylated in EGF-stimulated cells.



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Synonyms: p81, Cytovillin, Villin-2, EZR, VIL2

**Product images:**



Western blot analysis of extracts from A431 cells, untreated or EGF-treated (200ng/ml, 30min) using Ezrin antibody (Lane 1 and 2) and Ezrin (pTyr353) antibody (Lane 3 and 4).