

Ezrin (PT0732R) PT™ Rabbit mAb

CatalogNo: YM8019 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 69kD (Calculated)
- 80kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:500-5000****IF 1:200-1000****ELISA 1:5000-20000****IP 1:50-200**

Basic Information

Clonality Monoclonal**Clone Number** PT0732R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** Endogenous

Target Information

Gene name EZR

Protein Name Ezrin

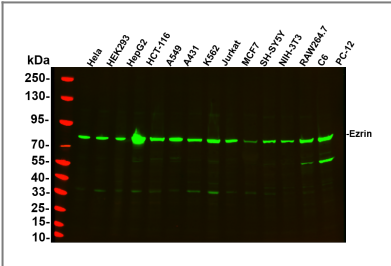
Organism	Gene ID	UniProt ID
Human	4318;	P15311;
Mouse	22350;	P26040;
Rat	54319;	P50282;

Cellular Localization Cytoplasm, Membrane

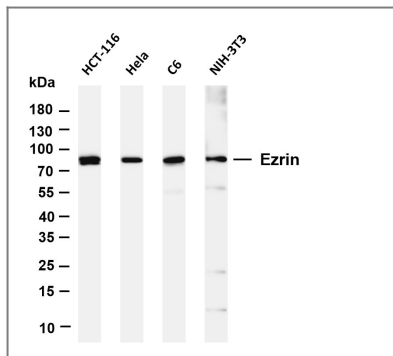
Tissue specificity Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

Function 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.,

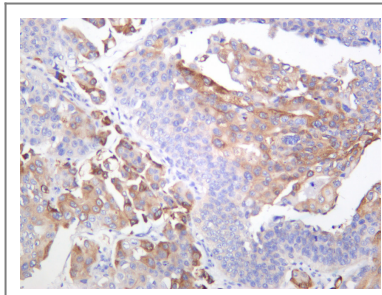
Validation Data



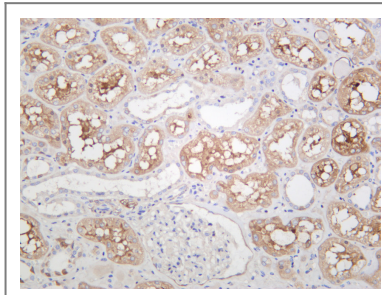
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:5000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: Hela - Human cervical cancer Lane2: HEK293 - Human normal embryonic kidney Lane3: HepG2 - Human hepatocellular carcinoma Lane4: HCT-116 - Human colon cancer Lane5: A549 - Human lung adenocarcinoma Lane6: A431 - Human skin squamous cell carcinoma Lane7: K562 - Human chronic myeloid leukemia Lane8: Jurkat - Human acute T cell leukemia cells Lane9: MCF7 - Human breast cancer Lane10: SH-SY5Y - Human neuroblastoma cells Lane11: NIH-3T3 - NIH mouse fibroblasts Lane12: RAW264.7 - Mouse mononuclear macrophage leukemia cells Lane13: C6 - Rat glioma cells Lane14: PC-12 - Pheochromocytoma in rats Predicted band size: 69kDa Observed band size: 80kDa



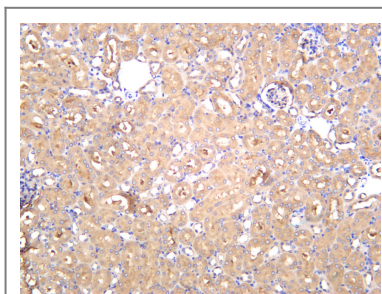
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Ezrin antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HCT-116 Lane 2: HeLa Lane 3: C6 Lane 4: NIH-3T3 Predicted band size: 69kDa Observed band size: 80kDa



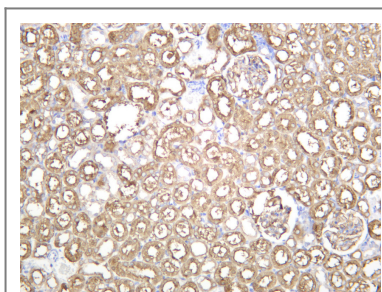
Human bladder carcinoma was stained with anti-Ezrin rabbit antibody



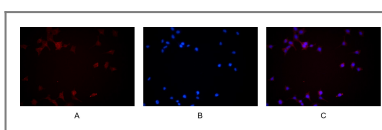
Human kidney was stained with anti-Ezrin rabbit antibody



Mouse kidney was stained with anti-Ezrin rabbit antibody



Rat kidney was stained with anti-Ezrin rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: Ezrin antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
Ezrin (PT0732R)
PT™ Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)