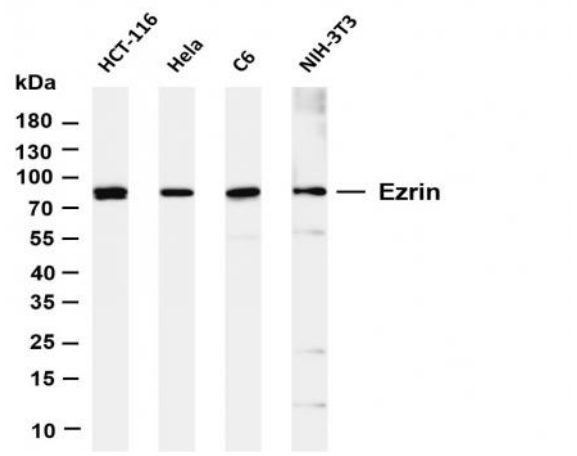
Best Tools for immunology Research

Ezrin (PT0478R) PT® Rabbit mAb

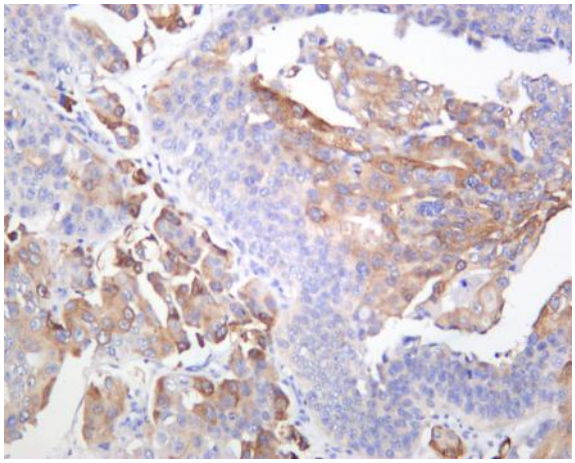
Catalog No :	YM8311
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	Ezrin
Fields :	>>Tight junction;>>Leukocyte transendothelial migration;>>Regulation of actin cytoskeleton;>>Gastric acid secretion;>>Pathogenic Escherichia coli infection;>>Proteoglycans in cancer;>>MicroRNAs in cancer
Gene Name :	EZR
Protein Name :	Ezrin
Human Gene Id :	7430
Human Swiss Prot No :	P15311
Mouse Gene Id :	22350
Mouse Swiss Prot No :	P26040
Rat Gene Id :	54319
Rat Swiss Prot No :	P31977
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:1000-1:4000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
Purification :	Protein A

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	69kD
Observed Band :	80kD
Cell Pathway :	Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;Pathogenic Escherichia coli infection;
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],
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 s
Subcellular Location :	Cytoplasm, Membrane
Expression :	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.

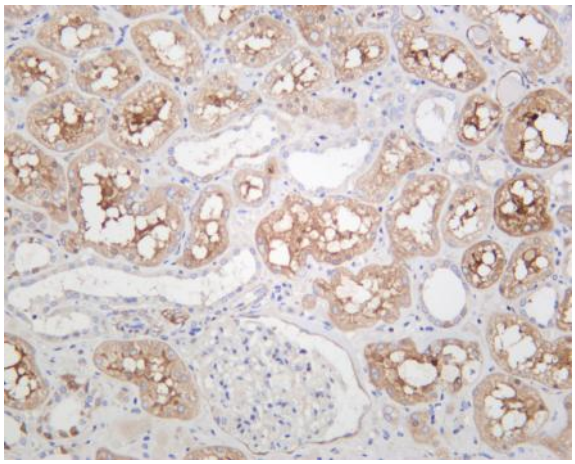
Products Images



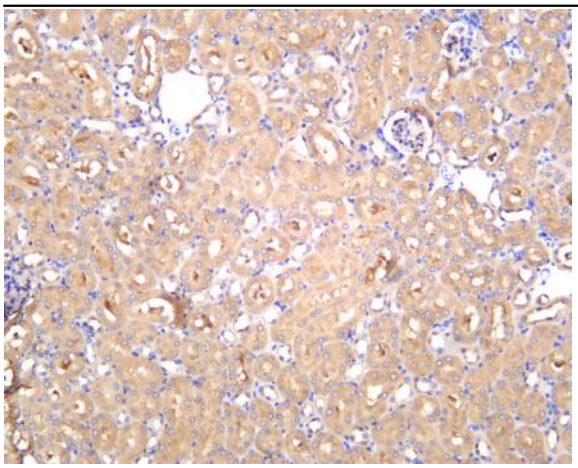
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Ezrin (PT0478R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HCT-116 Lane 2: Hela Lane 3: C6 Lane 4: NIH-3T3 Predicted band size: 69kDa Observed band size: 80kDa



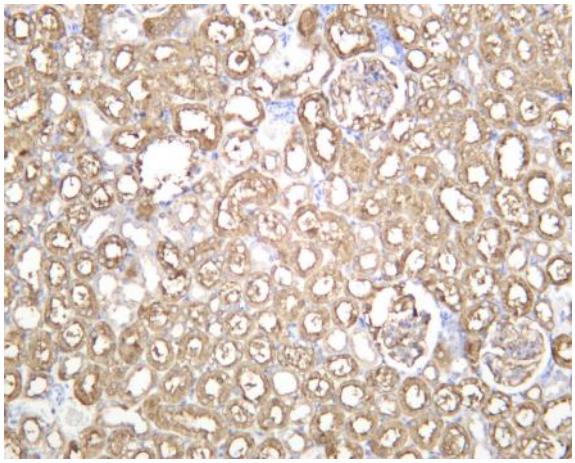
Human bladder carcinoma was stained with anti-Ezrin (PT0478R) rabbit antibody



Human kidney was stained with anti-Ezrin (PT0478R) rabbit antibody



Mouse kidney was stained with anti-Ezrin (PT0478R) rabbit antibody



Rat kidney was stained with anti-Ezrin (PT0478R) rabbit antibody