

## Ezrin / p81 Antibody

Mouse Monoclonal Antibody [Clone CPTC-Ezrin-1]

Catalog No	Format	Size
7430-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7430-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7430-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

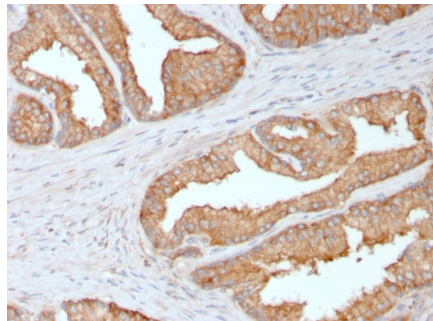
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

### Product Details

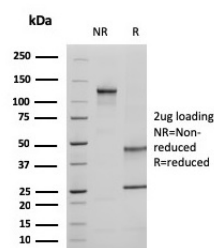
<b>Clone</b>	CPTC-Ezrin-1
<b>Gene Name</b>	EZR
<b>Immunogen</b>	Recombinant human full-length Ezrin protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b
<b>Mol. Weight of Antigen</b>	87kDa
<b>Cellular Localization</b>	Apical cell membrane, Cell cortex, Cell projection, Cytoplasm, Cytoskeleton, Microvillus, Microvillus membrane, Ruffle membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	A431, HEK293, HeLa, Jurkat, MCF-7, MCF-7. Cerebral cortex and hippocampus., SKBR3

\*Optimal dilution for a specific application should be determined.

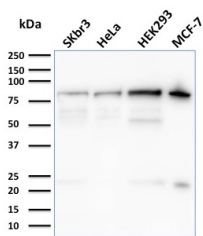
### Product Images for Ezrin / p81 Antibody



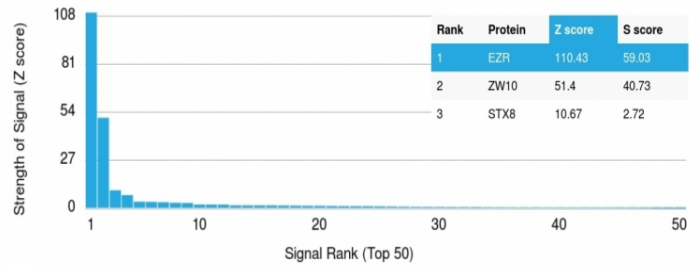
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).



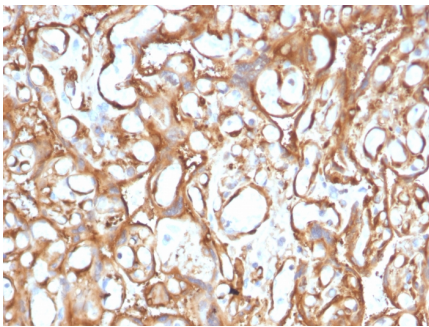
SDS-PAGE Analysis of Purified Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of SKBr-3, HeLa, HEK293, MCF-7 Cell lysates using Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).



Analysis of Protein Array containing more than 19,000 full-length human proteins using Ezrin / p81 Mouse Monoclonal Antibody (CPTC-Ezrin-1). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Placenta stained with Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).

### Specificity & Comments

Ezrin, Moesin and Radixin belong to a family of highly homologous actin-associated proteins that are localized just beneath the plasma membrane. The proteins are believed to be involved in the mediation of interactions between cytoskeletal and membrane proteins. Ezrin serves as a major cytoplasmic substrate of various protein-tyrosine kinases, including the epidermal growth factor receptor. Ezrin has also been identified as a cAMP-dependent protein kinase (A-kinase) anchoring protein and designated AKAP78. Moesin and Radixin share over 70% homology with Ezrin and are co-expressed within various cell types. Despite the high degree of homology, the three proteins exhibit a distinct receptor-specific pattern of phosphorylation. Overexpression of Ezrin predicts the poor prognosis of gastric adenocarcinoma.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

BBB VCAM-1 Signaling, Cardiovascular, Developmental Biology