

36-3361: Anti-Ezrin / p81 Monoclonal Antibody(Clone: CPTC-Ezrin-1)

Clonality :	Monoclonal
Clone Name :	CPTC-Ezrin-1
Application :	WB,IHC
Reactivity :	Human
Gene :	Ezrin
Gene ID :	7430
Uniprot ID :	P15311
Alternative Name :	Villin-2; CVIL; Epididymis secretory protein Li 105; EZR; p81; VIL2; Cytovillin; Cytovillin 2; HEL S 105; DKFZp762H157
Isotype :	Mouse IgG2b
Immunogen Information :	Recombinant human full-length Ezrin protein

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

Western Blotting (1-2ug/ml); ,Immunohistology (Formalin-fixed) (1-2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),

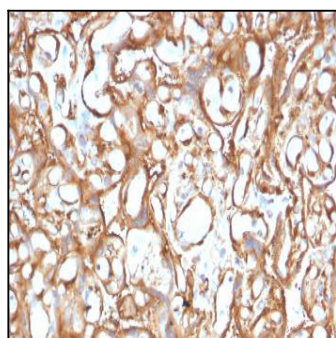


Fig. 1: Formalin-fixed, paraffin-embedded human Placenta stained with Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).

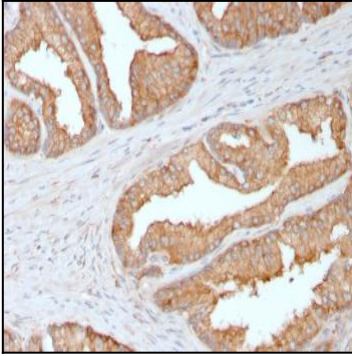


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).

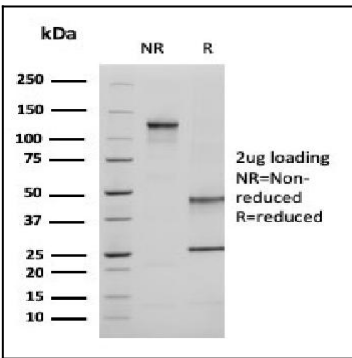


Fig. 3: SDS-PAGE Analysis Purified Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1). Confirmation of Purity and Integrity of Antibody

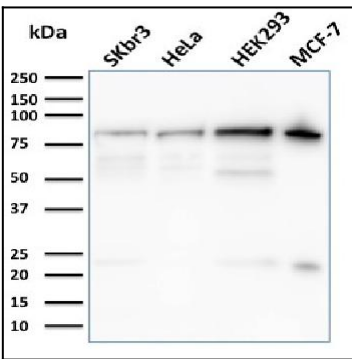


Fig. 4: Western Blot Analysis of SKBr-3, HeLa, HEK293, MCF-7 cell lysates using Ezrin Mouse Monoclonal Antibody (CPTC-Ezrin-1).

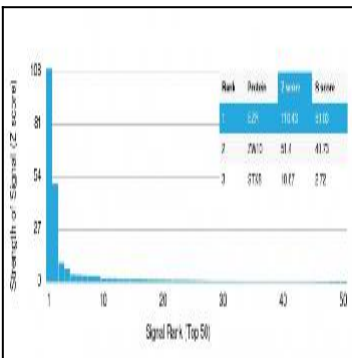


Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using Ezrin / p81 Mouse Monoclonal Antibody (CPTC-Ezrin-1). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary 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.