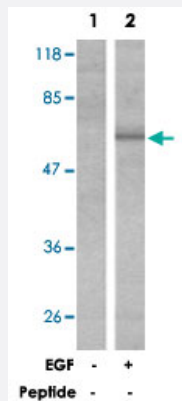


EZR (phospho T353) polyclonal antibody

Catalog # PAB18517 Size 100 ug

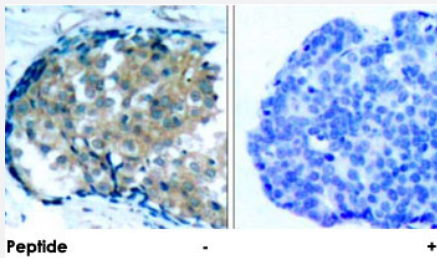
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from A-431 cells, untreated or EGF-treated (200 ng/ml, 30 min), using EZR (phospho T353) polyclonal antibody (Cat # PAB18517).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using EZR (phospho T353) polyclonal antibody (Cat # PAB18517).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of EZR.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T353 of human EZR.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to EZR only when phosphorylated at T353.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (0.02% sodium azide, 50% glycerol).
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Gene Info — EZR

Entrez GeneID	7430
Protein Accession#	P15311
Gene Name	EZR
Gene Alias	CVIL, CVL, DKFZp762H157, FLJ26216, MGC1584, VIL2
Gene Description	ezrin
Omim ID	123900
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

OTTHUMP00000017506|OTTHUMP00000017507|cytovillin 2|villin 2 (ezrin)

Publication Reference

- [Ezrin regulates NHE3 translocation and activation after Na⁺-glucose cotransport.](#)

Zhao H, Shiue H, Palkon S, Wang Y, Cullinan P, Burkhardt JK, Musch MW, Chang EB, Turner JR.
PNAS 2004 Jun; 101(25):9485.

- [Activation of SRC tyrosine kinases in response to ICAM-1 ligation in pulmonary microvascular endothelial cells.](#)

Wang Q, Pfeiffer GR 2nd, Gaarde WA.
Journal of Biological Chemistry 2003 Nov; 278(48):47731.

Pathway

- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)

- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)