

🕜 Tel: +1-301-363-4651 🛛 🖂 Email: cusabio@cusabio.com 🛛 🥭 Website: www.cusabio.com 🌘

EZR Recombinant Monoclonal Antibody

Product Code	CSB-RA194531A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P15311
Immunogen	A synthesized peptide derived from human EZR
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	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. {ECO:0000269 PubMed:17881735, ECO:0000269 PubMed:18270268, ECO:0000269 PubMed:19111582}.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
lsotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Signal transduction
Gene Names	EZR
Clone No.	7F11

Image



IHC image of CSB-RA194531A0HU diluted at 1:100 and staining in paraffin-embedded human skin tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

Description

The production of the EZR recombinant monoclonal antibody involves the cloning and expression of the gene that encodes the EZR monoclonal antibody using genetic engineering. The synthesized peptide derived from the human

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EZR protein is used as the immunogen to generate the EZR monoclonal antibody. The purified EZR recombinant monoclonal antibody is obtained through affinity chromatography purification, ensuring high purity. The specificity of the EZR recombinant monoclonal antibody is confirmed as it can recognize and bind to the EZR protein. The MAS1L recombinant monoclonal antibody has been validated for use in human samples and its quality and specificity have been assessed through ELISA and IHC applications.

Ezrin (EZR) is a cytoplasmic protein that belongs to the ERM (ezrin-radixinmoesin) protein family. Its main function is to link the actin cytoskeleton to the plasma membrane, where it plays a crucial role in cell shape, motility, and adhesion. It also interacts with various proteins involved in signal transduction pathways and is implicated in the regulation of cellular processes such as proliferation, differentiation, and apoptosis. In addition, Ezrin has been shown to be involved in the formation of microvilli, which are finger-like projections on the surface of epithelial cells that increase the surface area for absorption and secretion.