

EMP1 Polyclonal Antibody Cy7 Conjugated

Catalog No: #C00332Cy7

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Description

Product Name	EMP1 Polyclonal Antibody Cy7 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 105-135 160 derived from mouse Emp1
Conjugates	Cy7
Target Name	EMP1
Other Names	TMP; I-8-9; Epithelial membrane protein 1; EMP-1; Tumor-associated membrane protein; Emp1
Accession No.	P54849
Cell Localization	Cell membrane
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

IF:1:50-200

Background

Epithelial membrane protein-1 (EMP-1) is a four pass transmembrane protein consisting of 160 amino acids. It is a member of a small family of epithelial membrane proteins. EMP-1 is very similar in structure to its close relative, Peripheral Myelin Protein 22 (PMP22). It is most predominantly expressed in tissues of the gastrointestinal tract but has also been found to be a junctional protein in the liver expressed along the intercellular border. EMP-1 directly interacts with the C-terminus of the P2X7 receptor and may be involved in membrane blebbing. EMP-1 may also be an important regulator in cell communication, signaling, and adhesion. When EMP-1 is overexpressed, cell proliferation is inhibited, S phase is arrested and G1 phase is prolonged in esophageal cancer cells. EMP-1 may play a role in tumorigenesis and has been identified as a biomarker for gefitinib treatment resistance for patients with lung cancer.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.