

## Anti-EMP1 antibody

<b>Cat. No.</b>	ml162994
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-EMP1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, IHC
<b>Immunogen</b>	Synthetic peptide of human EMP1
<b>Reactivity</b>	Human
<b>Content</b>	0.3 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	EMP1
<b>Full name</b>	epithelial membrane protein 1
<b>Synonyms</b>	TMP; CL-20; EMP-1
<b>Swissprot</b>	P54849

### Target Background

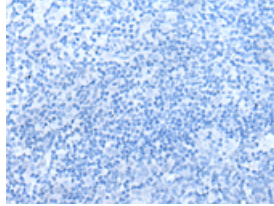
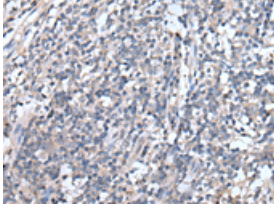
Epithelial membrane protein-1 (EMP-1) is a four pass transmembrane protein consisting of 160 amino acids. It is a member of a small family of epithelial membrane proteins. EMP-1 is very similar in structure to its close relative, Peripheral Myelin Protein 22 (PMP22). It is most predominantly expressed 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.

订购热线: 4008-898-798

### Applications

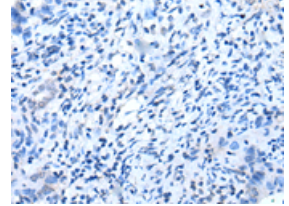
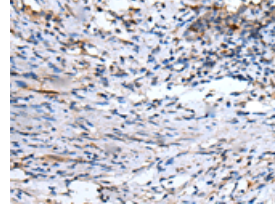
#### Immunohistochemistry

Predicted cell location: Cytoplasm and Cell membrane  
Positive control: Human tonsil  
Recommended dilution: 20-100



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml162994(EMP1 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm and Cell membrane  
Positive control: Human cervical cancer  
Recommended dilution: 20-100



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml162994(EMP1 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

#### ELISA

Recommended dilution: 2000-5000

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