

Rabbit anti-Human EMP1 Polyclonal Antibody | anti-EMP1 antibody

EMP1 Antibody

CATALOG # AAA309272	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

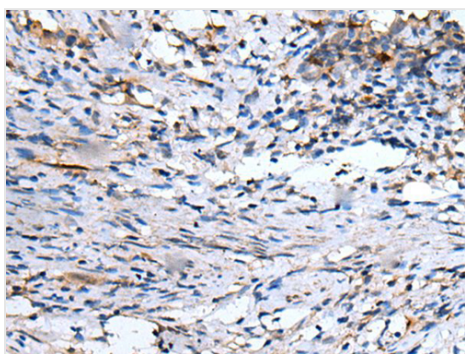
PRODUCT SYNONYMS

EMP1; Polyclonal Antibody; EMP1 Antibody; TMP; CL-20; EMP-1; anti-EMP1 antibody

PRODUCT SPECIFICATIONS

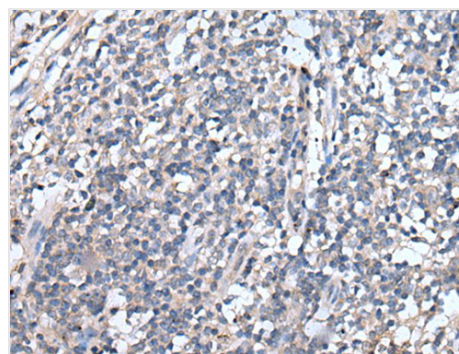
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total EMP1 protein.
Purity/Purification	Antigen affinity purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	0.2mg/ml (varies by lot)
Sequence Length	157
Applicable Applications for anti-EMP1 antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human EMP1
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using EMP1 Antibody at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using EMP1 Antibody at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)

ADDITIONAL INFORMATION

Related Product Information for anti-EMP1 antibody	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.
Product Categories/Family for anti-EMP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503559
NCBI GeneID	2012
NCBI Accession #	NP_001414.1
NCBI GenBank Nucleotide #	NM_001423.2
UniProt Accession #	P54849; O00681; Q13481; Q13834; B2R5N1; B4DRR1
Molecular Weight	15,252 Da
NCBI Official Full Name	epithelial membrane protein 1
NCBI Official Synonym Full Names	epithelial membrane protein 1
NCBI Official Symbol	EMP1
NCBI Official Synonym Symbols	TMP; CL-20; EMP-1
NCBI Protein Information	epithelial membrane protein 1
UniProt Protein Name	Epithelial membrane protein 1
UniProt Gene Name	EMP1
UniProt Synonym Gene Names	B4B; TMP; EMP-1
UniProt Entry Name	EMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/emp1-antibody-immunohistochemistry-elisa/309272>