

Rabbit EMP2 Polyclonal Antibody | anti-EMP2 antibody

EMP2 Polyclonal Antibody

CATALOG # AAA166232	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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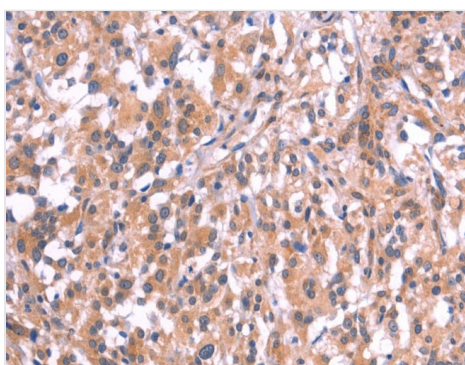
PRODUCT SYNONYMS

EMP2; Polyclonal Antibody; EMP2 Polyclonal Antibody; XMP; anti-EMP2 antibody

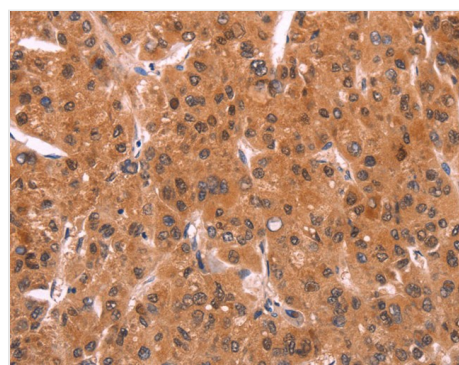
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.5mg/mL (varies by lot)
Sequence Length	167
Applicable Applications for anti-EMP2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human EMP2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using EMP2 Polyclonal Antibody at dilution 1:20


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using EMP2 Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-EMP2 antibody	EMP-2 (epithelial membrane protein 2), also known as XMP, is a 167 amino acid multi-pass membrane protein that contains four-transmembrane domains and belongs to the GAS3/PMP22 (growth arrest-specific-3/peripheral myelin protein-22) family. Localized to lipid raft domains in the plasma membrane, EMP-2 regulates the expression of several target proteins and is necessary for blastocyst implantation in the uterine endometrium. Specifically, EMP-2 mediates blastocyst implantation by controlling the cell membrane expression of MHC and glycosylphosphatidylinositol-anchored proteins, as well as Integrins and caveolin-1. In adult tissues, EMP-2 is expressed in heart, lung, ovary and intestine, while fetal expression is highest in kidney, brain and liver. Overexpression of EMP-2 is associated with endometrial adenocarcinoma, suggesting a possible role for EMP-2 in tumorigenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503561
NCBI GeneID	2013
NCBI Accession #	NP_001415.1
NCBI GenBank Nucleotide #	NM_001424.4
Molecular Weight	19,199 Da
NCBI Official Full Name	epithelial membrane protein 2
NCBI Official Synonym Full Names	epithelial membrane protein 2
NCBI Official Symbol	EMP2
NCBI Official Synonym Symbols	XMP; NPHS10
NCBI Protein Information	epithelial membrane protein 2; EMP-2
UniProt Protein Name	Epithelial membrane protein 2
UniProt Gene Name	EMP2
UniProt Synonym Gene Names	XMP; EMP-2
UniProt Entry Name	EMP2_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.