

Rabbit MAGT1 Polyclonal Antibody | anti-MAGT1 antibody

MAGT1 Antibody

CATALOG # AAA322985	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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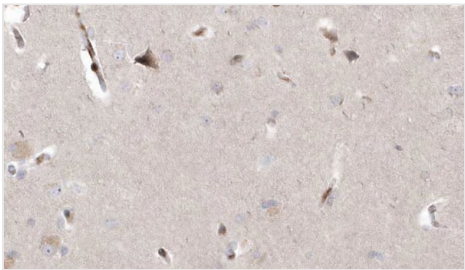
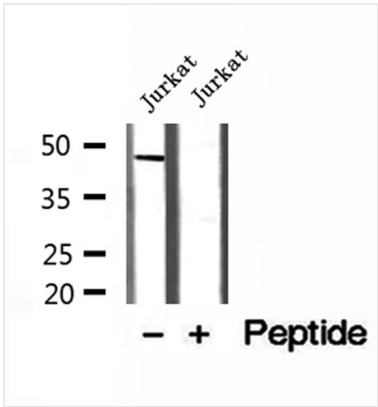
PRODUCT SYNONYMS

MAGT1; Polyclonal Antibody; MAGT1 Antibody; bA217H1; DKFZp564K142; FLJ14726; IAG2; IAP; Implantation-associated protein; Magnesium transporter 1; MagT1; MGC64926; MRX95; Oligosaccharyltransferase 3 homolog B; OST3B; OTTHUMP00000023589; OTTHUMP00000062081; PRO0756; RP11-217H1.1; anti-MAGT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAGT1 antibody detects endogenous levels of MAGT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	367
Applicable Applications for anti-MAGT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAGT1.
Subcellular Location	Endoplasmic Reticulum Membrane; Multipass Membrane Protein
Tissue Specificity	Ubiquitous. Expressed at very low levels in brain, lung and kidney.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322985 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of Jurkat cells, using MAGT1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAGT1 antibody

Function: Acts as accessory component of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Involved in N-glycosylation of STT3B-dependent substrates. Specifically required for the glycosylation of a subset of acceptor sites that are near cysteine residues; in this function seems to act redundantly with TUSC3. In its oxidized form proposed to form transient mixed disulfides with a glycoprotein substrate to facilitate access of STT3B to the unmodified acceptor site. Has also oxidoreductase-independent functions in the STT3B-containing OST complex possibly involving substrate recognition.

Subunit Structure: Accessory component of the STT3B-containing form of the oligosaccharyltransferase (OST) complex. OST exists in two different complex forms which contain common core subunits RPN1, RPN2, OST48, OST4, DAD1 and TMEM258, either STT3A or STT3B as catalytic subunits, and form-specific accessory subunits. OST can form stable complexes with the Sec61 complex or with both the Sec61 and TRAP complexes. The association of TUSC3 or MAGT1 with the STT3B-containing complex seems to be mutually exclusive.

Similarity: Belongs to the OST3/OST6 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215983058
NCBI GeneID	84061
NCBI Accession #	NP_115497.4
NCBI GenBank Nucleotide #	NM_032121.5
UniProt Accession #	Q9H0U3; Q53G00; Q6P577; Q8NBN6; B2RAR4; D3DTE3
Molecular Weight	Observed: 45-47 kDa Predicted: 39 kDa
NCBI Official Full Name	magnesium transporter protein 1
NCBI Official Synonym Full Names	magnesium transporter 1
NCBI Official Symbol	MAGT1
NCBI Official Synonym Symbols	IAP; XMEN; MRX95; OST3B; PRO0756; bA217H1.1
NCBI Protein Information	magnesium transporter protein 1
UniProt Protein Name	Magnesium transporter protein 1
UniProt Gene Name	MAGT1

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/magt1-antibody-immunohistochemistry-western-blot-elisa/322985>