

MAGT1 Rabbit pAb

CatalogNo: YN5854

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat

Applications

- WB

MW

- 37kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human MAGT1

Specificity This antibody detects endogenous levels of MAGT1 at Human,Rat

Target Information

Gene name MAGT1 IAG2 PSEC0084 UNQ628/PRO1244

Protein Name Magnesium transporter protein 1 (MagT1) (Implantation-associated protein) (IAP)

Organism	Gene ID	UniProt ID
Human	84061 ;	Q9H0U3 ;
Mouse		Q9CQY5 ;
Rat	116967 ;	Q35777 ;

Cellular Localization Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum . Endoplasmic reticulum membrane ; Multi-pass membrane protein .

Tissue specificity Ubiquitous. Expressed at very low levels in brain, lung and kidney.

Function Accessory component of the STT3B-containing form 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. ; May be involved in Mg(2+) transport in epithelial cells.

Validation Data

Contact information

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MAGT1 Rabbit pAb

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