

For Research Use Only

MAGT1 Polyclonal antibody

Catalog Number: 27994-1-AP

1 Publications



Basic Information

Catalog Number:

27994-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27416

GenBank Accession Number:

BC060842

GeneID (NCBI):

84061

UNIPROT ID:

Q9H0U3

Full Name:

magnesium transporter 1

Calculated MW:

335 aa, 38 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, NIH/3T3 cells, HuH-7 cells, rat brain tissue

Background Information

MAGT1 is a mammalian Mg²⁺-selective transporter being required for cellular magnesium uptake and vertebrate embryonic development. It possesses five putative transmembrane (TM) regions with a cleavage site, a N-glycosylation site, and a number of phosphorylation sites. Recently mutations in MAGT1 has been found to be associated with a novel X-linked human immunodeficiency. The MAGT1 protein was undetectable in the patients' cells by western blot or immunofluorescent cell surface staining (Nature 475, 471-6). 27994-1-AP antibody detects the glycosylated protein around 45-50 kDa in SDS-PAGE. (PMID: 28720733, 27383987)

Notable Publications

Author	Pubmed ID	Journal	Application
Lin Li	35796007	Int J Mol Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

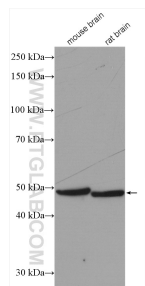
T: 4006900926

E: Proteintech-CN@ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27994-1-AP (MACT1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.