

For Research Use Only

MAGT1 Polyclonal antibody

Catalog Number: 27994-1-AP **1 Publications**



Basic Information

Catalog Number: 27994-1-AP	GenBank Accession Number: BC060842	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84061	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: magnesium transporter 1	
Isotype: IgG	Calculated MW: 335 aa, 38 kDa	
Immunogen Catalog Number: AG27416	Observed MW: 45-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: mouse brain tissue, NIH/3T3 cells, HuH-7 cells, rat brain tissue
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: human, mouse	

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

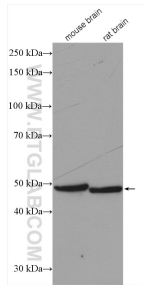
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27994-1-AP (MAGT1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.