

For Research Use Only

# MAGT1 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 27994-1-AP	<b>GenBank Accession Number:</b> BC060842	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 84061	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H0U3	
<b>Isotype:</b> IgG	<b>Full Name:</b> magnesium transporter 1	
<b>Immunogen Catalog Number:</b> AG27416	<b>Calculated MW:</b> 335 aa, 38 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

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

## Background Information

MAGT1 is a mammalian Mg<sup>2+</sup>-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:

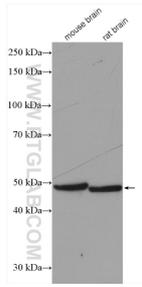
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## Selected Validation Data



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.