

For Research Use Only

MAGEL2 Polyclonal antibody

Catalog Number: 33836-1-AP



Basic Information

Catalog Number: 33836-1-AP	GenBank Accession Number: NM_019066.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 470 ug/ml by Nanodrop;	GeneID (NCBI): 54551	Recommended Dilutions: IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UJ55	
Isotype: IgG	Full Name: MAGE-like 2	
Immunogen Catalog Number: AG39140	Calculated MW: 133kDa 1249aa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse brain tissue,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

MAGEL2 exerts pleiotropic functions in the human body, particularly because of its role in the hypothalamus, a brain region at the centre of organismal homeostasis that is critical for both individual and species success. In mouse models, MAGEL2 regulates the cell cycle, neuronal signal transduction, neurite growth, and muscle function. Because the maternal genetic region is silenced through methylation, all classes of mutations in the maternal MAGEL2 allele are clinically insignificant. However, pathogenic mutations on the paternal allele, which is expressed, are detrimental to neural and muscular development and are responsible for a number of human syndromes.(PMID: 31397880, PMID: 38950199)

Storage

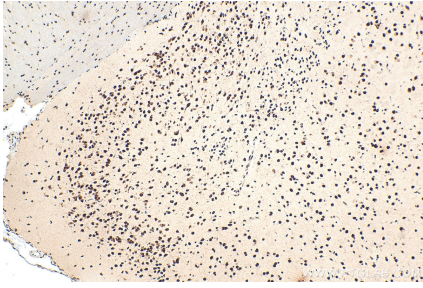
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 33836-1-AP (MAGEL2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).