

For Research Use Only

MAGED4 Polyclonal antibody

Catalog Number:16809-1-AP



Basic Information

Catalog Number: 16809-1-AP	GenBank Accession Number: BC081566	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 728239	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96JG8	
Isotype: IgG	Full Name: melanoma antigen family D, 4	
Immunogen Catalog Number: AG10329	Calculated MW: 741 aa, 81 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Jurkat cells, A549 cells IHC : human gliomas tissue, human heart tissue
Species Specificity: human	
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

MAGED4, originally termed MAGEE1, is a member of MAGE (Melanoma associated antigen) super-family identified by serial analysis of gene expression (SAGE) technique (PMID: 11406556; 24966945). Three isoforms (MAGED4a, b, and c) were produced by alternative splice in the process of gene transcription (PMID: 11406556). This antibody raised against 1-350 aa of human MAGED4 protein detects a band of 90-100 kDa, which is larger than the calculated molecular weight. The slower electrophoretic mobility may be due to abnormal spatial conformation of MAGED4 protein caused by abundance of proline in composition (PMID: 24966945).

Storage

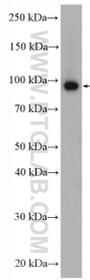
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

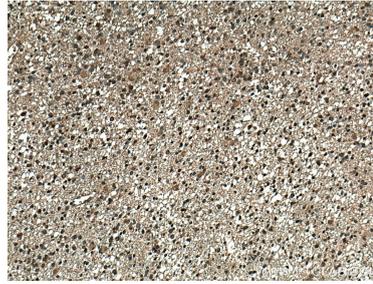
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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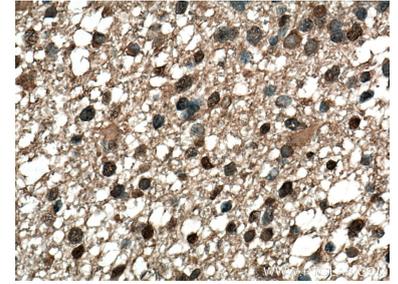
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 16809-1-AP (MAGED4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 16809-1-AP (MAGED4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 16809-1-AP (MAGED4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).