

For Research Use Only

# MAGED4 Polyclonal antibody

Catalog Number: 16809-1-AP



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Jurkat cells, A549 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human gliomas tissue, human heart tissue

## 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

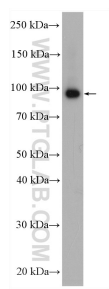
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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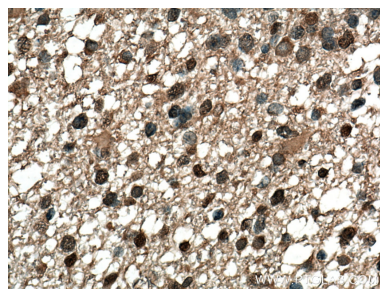
# Selected Validation Data



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).