For Research Use Only

# MAGED1 Polyclonal antibody

Catalog Number:11539-1-AP 1 Publications

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## Basic Information

Catalog Number:
11539-1-AP

Size:
150ul , Concentration: 400 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2109

GenBank Accession Number:
BC014070

GeneID (NCBI):
9500

UNIPROT ID:
Q9Y5V3

Full Name:
melanoma antigen family D, 1

Calculated MW:
86 kDa; 92 kDa

Observed MW:
66 kDa, 92-95 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200

## Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IP, IF, IHC

Species Specificity:
human, mouse, rat

Cited Species:
rat

***Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0***

Positive Controls:

WB : HEK-293 cells, Apoptosised HeLa cells, HeLa cells, human brain tissue

IHC : human gliomas tissue,

## Background Information

MAGED1 (also known as NRAGE or Dlxin-1) is a member of the type II melanoma antigen (MAGE) family of protein. MAGED1 can interact with the nerve growth factor receptor p75NTR, antagonize the association of p75NTR with TrkA, inhibit cell cycle progression, and facilitate p75NTR-mediated apoptosis (PMID: 10985348). It has been reported that MAGED1 binds Dlx5 and regulates its transcriptional function. In vivo, MAGED1 binds not only Dlx5 but also Dlx7 and Msx2 and forms homomultimers (PMID: 11084035). MAGED1 knockout mice show depressive behavior and impairments of circadian rhythm (PMID: 20300063; 23314527).

## Notable Publications

| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Meng Li | 36585447 | Sci Rep | WB,IHC,IF,IP |

## Storage

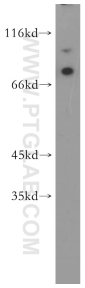
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

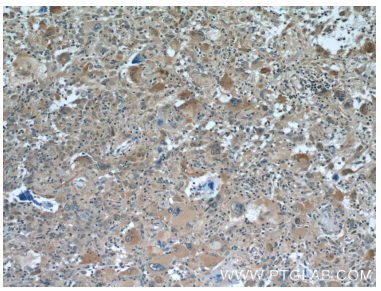
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

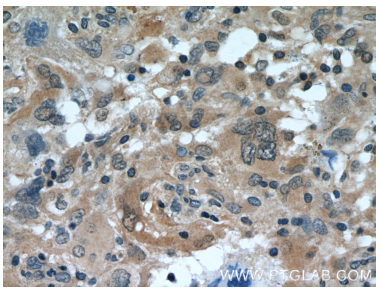
## Selected Validation Data




HEK-293 cells were subjected to SDS PAGE followed by western blot with 11539-1-AP (MAGED1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11539-1-AP (MAGED1 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11539-1-AP (MAGED1 Antibody) at dilution of 1:100 (under 40x lens).