

For Research Use Only

MAGED1 Polyclonal antibody

Catalog Number: 11539-1-AP **1 Publications**



Basic Information

Catalog Number: 11539-1-AP	GenBank Accession Number: BC014070	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9500	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: melanoma antigen family D, 1	
Isotype: IgG	Calculated MW: 86 kDa; 92 kDa	
Immunogen Catalog Number: AG2109	Observed MW: 66 kDa, 92-95 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, IP, WB	WB : HEK-293 cells, Apoptosised HeLa cells, HeLa cells, human brain tissue
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
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

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**

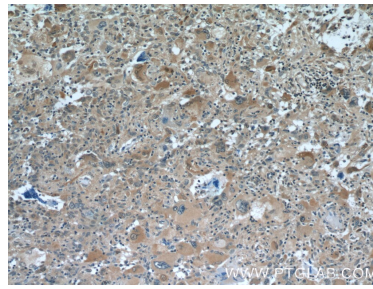
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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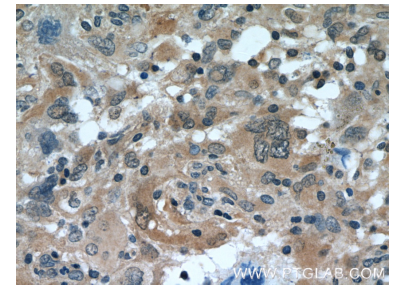
Selected Validation Data



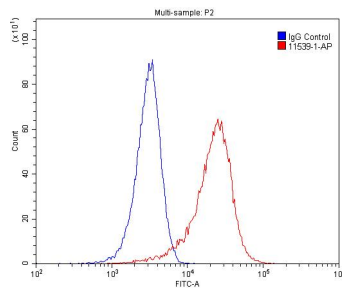
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11539-1-AP (MAGED1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).



1X10⁶ HeLa cells were stained with 0.2ug MAGED1 antibody (11539-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.