

For Research Use Only

MAGED1 Polyclonal antibody

Catalog Number: 22053-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:
22053-1-AP

Size:
150ul, Concentration: 340 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG17047

GenBank Accession Number:
BC014070

GeneID (NCBI):
9500

Full Name:
melanoma antigen family D, 1

Calculated MW:
834 aa, 92 kDa

Observed MW:
95-100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:12000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:200-1:800
IF 1:20-1:200

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
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

Positive Controls:

WB: A549 cells, HEK-293 cells, mouse placenta tissue

IP: A549 cells,

IHC: mouse placenta tissue, human skin tissue, human placenta tissue

IF: A549 cells,

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). Three transcript variants encoding two different isoforms (86kDa and 92 kDa) have been found for the gene of MAGED1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaodi Jiang	29778424	Gene	WB,IHC
Huandi Zhou	26738870	Tumour Biol	WB,IHC,IF
Qiang Lu	31891772	Biochim Biophys Acta Mol Cell Biol Lipids	WB

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

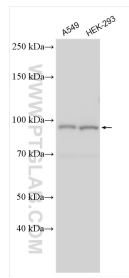
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

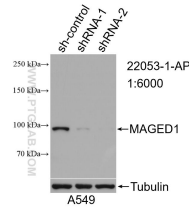
E: proteintech@ptglab.com
W: ptglab.com

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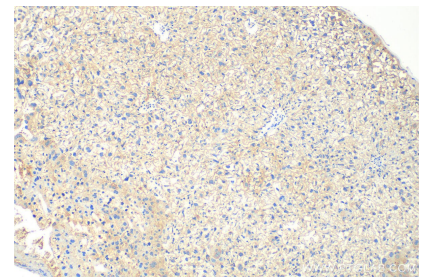
Selected Validation Data



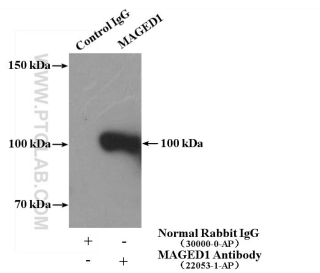
Various lysates were subjected to SDS PAGE followed by western blot with 22053-1-AP (MAGED1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



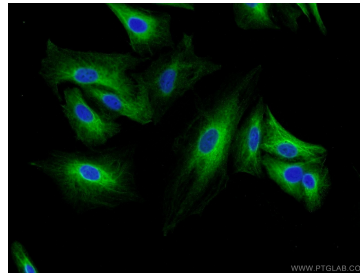
WB result of MAGED1 antibody (22053-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAGED1 transfected A549 cells.



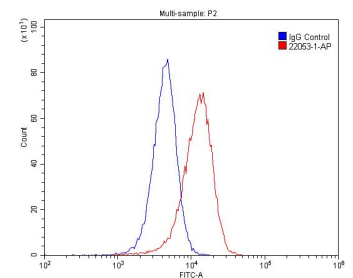
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 22053-1-AP (MAGED1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-MAGED1 (IP:22053-1-AP, 4 μ g; Detection:22053-1-AP 1:1000) with A549 cells lysate 400 μ g.



Immunofluorescent analysis of A549 cells using 22053-1-AP (MAGED1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ HeLa cells were stained with .2 μ g MAGED1 antibody (22053-1-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.