For Research Use Only

MAGED1 Polyclonal ANTIBODY

Catalog Number: 22053-1-AP

Basic Information

Catalog Number: 22053-1-AP

Size: 51 μg/150 μl
Source: Rabbit
IsoType: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG17047

GenBank Accession Number: BC014070
GeneID (NCBI): 9500
D: melanoma antigen family D, 1

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 μg for IP and 1:100-1:2000 for WB
IHC 1:20-1:200

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Applications

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

Species Specificity:
human, mouse, rat
Cited Species:
human

Note: 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 homo-multimers (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
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Xiaodi Jiang | 29778264 | Gene | WB, IHC
Huandi Zhou | 26738870 | Tumour Biol | WB, IHC, IF

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.

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

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A549 cells were subjected to SDS PAGE followed by western blot with 22053-1-AP (MAGED1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human placenta using 22053-1-AP (MAGED1 Antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical of paraffin-embedded human placenta using 22053-1-AP (MAGED1 Antibody) at dilution of 1:50 (under 40x lens).

**IP Result of anti-MAGED1 (IP: 22053-1-AP, 4ug; Detection: 22053-1-AP, 100ug)** with A549 cells lysate 400ug.

Immuno-fluorescent 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).

1x10^6 HeLa cells were stained with 2ug MAGED1 antibody (22053-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA for 30 min. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) with dilution 1:1500.