HINT1 Rabbit mAb

Catalog No.: A20894 Recombinant



Basic Information

Observed MW

14kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC2853

Background

This gene encodes a protein that hydrolyzes purine nucleotide phosphoramidates substrates, including AMP-morpholidate, AMP-N-alanine methyl ester, AMP-alpha-acetyl lysine methyl ester, and AMP-NH2. The encoded protein interacts with these substrates via a histidine triad motif. This gene is considered a tumor suppressor gene. In addition, mutations in this gene can cause autosomal recessive neuromyotonia and axonal neuropathy. There are several related pseudogenes on chromosome 7. Several transcript variants have been observed.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
3094	P49773

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HINT1 (P49773).

Synonyms

HINT; NMAN; PKCI-1; PRKCNH1

Contact

2		400-999-6126
\bowtie		cn.market@abclonal.com.cn
•	ī	www.abclonal.com.cn

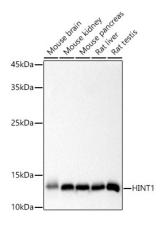
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



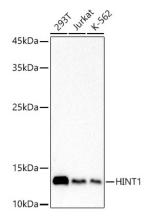
Western blot analysis of extracts of various cell lines, using HINT1 antibody (A20894) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



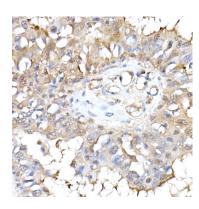
Western blot analysis of extracts of various cell lines, using HINT1 antibody (A20894) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

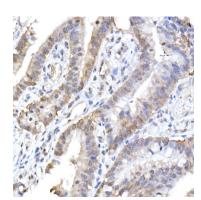
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

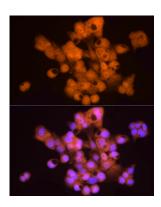
Exposure time: 10s.



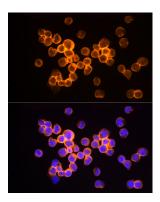
Immunohistochemistry analysis of paraffinembedded human breast cancer using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



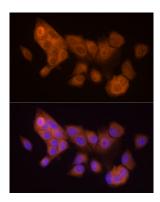
Immunohistochemistry analysis of paraffinembedded human colon carcinoma using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



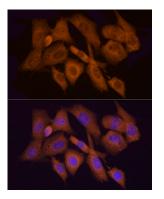
Immunofluorescence analysis of HepG2 cells using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



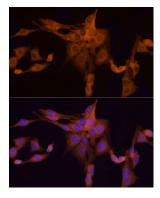
Immunofluorescence analysis of Jurkat cells using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining



Immunofluorescence analysis of MCF7 cells using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using HINT1 Rabbit mAb (A20894) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.