

HINT1 Rabbit pAb

Catalog No.: A10221

Basic Information

Observed MW

14kDa

Calculated MW

14kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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 1:1000 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

3094

Swiss Prot

P49773

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-126 of human HINT1 (NP_005331.1).

Synonyms

HINT; NMN; PKCI-1; PRKCNH1; HINT1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

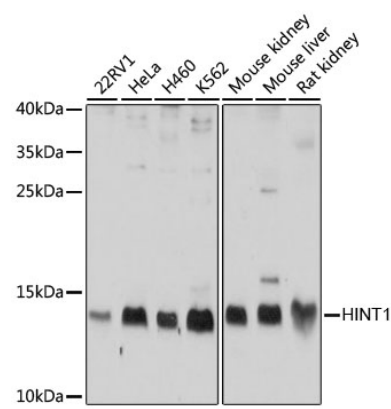
Affinity purification

Storage

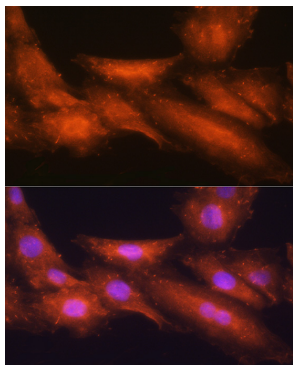
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

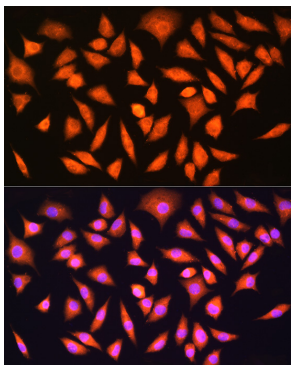
Validation Data



Western blot analysis of extracts of various cell lines, using HINT1 antibody (A10221) 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: 1s.



Immunofluorescence analysis of H9C2 cells using HINT1 Rabbit pAb (A10221) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using HINT1 Rabbit pAb (A10221) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.