

STK33 Rabbit mAb

Catalog No.: A19803 **Recombinant**

Basic Information

Observed MW

65kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse

CloneNo number

ARC2330

Background

Serine/threonine protein kinase (STK33) is a 524-residue kinase that belongs to the calcium/calmodulin-dependent family of kinases. STK33 exhibits differential expression in normal and malignant cancer tissue, including hepatocellular carcinoma. STK33 expression is required in the context of mutant KRAS, the most commonly mutated human oncogene, to maintain for cellular viability and proliferation. STK33 depletion via modulation of interacting proteins results in proteasome-mediated degradation of STK33 in human cancer cells, triggering apoptosis.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

65975

Swiss Prot

Q9BYT3

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 399-514 of human STK33 (Q9BYT3).

Synonyms

STK33

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

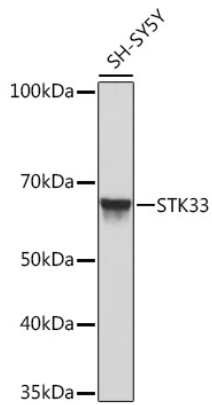
Affinity purification

Storage

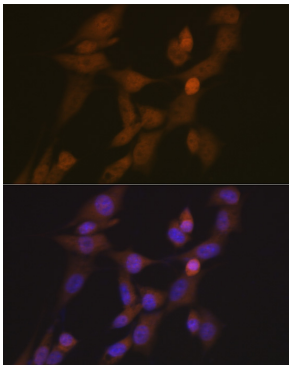
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of extracts of SH-SY5Y cells, using STK33 Rabbit mAb (A19803) 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.



Immunofluorescence analysis of NIH/3T3 cells using STK33 Rabbit mAb (A19803) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.