

Rabbit anti-Human STK33 Monoclonal Antibody | anti-STK33 antibody

STK33 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282832	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

STK33; Monoclonal Antibody; STK33 Rabbit mAb; anti-STK33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KEWKNNPESV EENTTEENK PSTEEKLKSYPWGNNVPDAN YTSDEEEEKQ STAYEKQFPA TSKDNFDMCS SSFTSSKLLP AEIKGEMEKT PVTPSQGTAT KYPAKSGALS RTKKKL
Applicable Applications for anti-STK33 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 399-514 of human STK33 (Q9BYT3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using STK33 Rabbit mAb (AAA282832) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from SH-SY5Y cells, using STK33 Rabbit mAb (AAA282832) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-STK33 antibody

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.

Product Categories/Family for anti-STK33 antibody

Signal Transduction; Kinase; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	23943882
NCBI GeneID	65975
NCBI Accession #	NP_112168.1
NCBI GenBank Nucleotide #	NM_030906.2
UniProt Accession #	Q9BYT3; Q658S6; Q8NEF5
Molecular Weight	Calculated MW: 58kDa Observed MW: 65kDa
UniProt Protein Name	Serine/threonine-protein kinase 33
UniProt Gene Name	STK33
UniProt Entry Name	STK33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/stk33-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282832>