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STRADA Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20607C

Product Information

Application	WB, IHC-P, FC, IF, E
Primary Accession	Q7RTN6
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47810
Calculated MW	48369

Additional Information

Gene ID	92335
Other Names	STE20-related kinase adapter protein alpha, STRAD alpha, STE20-related adapter protein, Serologically defined breast cancer antigen NY-BR-96, STRADA, LYK5 {ECO:0000312|EMBL:AAP422801}, STRAD
Target/Specificity	This STRADA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 303-346 amino acids from the C-terminal region of human STRADA.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:25 IF~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	STRADA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STRADA
Synonyms	LYK5 {ECO:0000312|EMBL:AAP42280.1}, STRA
Function	Pseudokinase which, in complex with CAB39/MO25 (CAB39/MO25alpha or

CAB39L/MO25beta), binds to and activates STK11/LKB1. Adopts a closed conformation typical of active protein kinases and binds STK11/LKB1 as a pseudosubstrate, promoting conformational change of STK11/LKB1 in an active conformation.

Cellular Location Nucleus. Cytoplasm

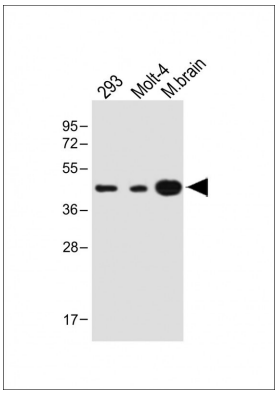
Background

Pseudokinase which, in complex with CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta), binds to and activates STK11/LKB1. Adopts a closed conformation typical of active protein kinases and binds STK11/LKB1 as a pseudosubstrate, promoting conformational change of STK11/LKB1 in an active conformation.

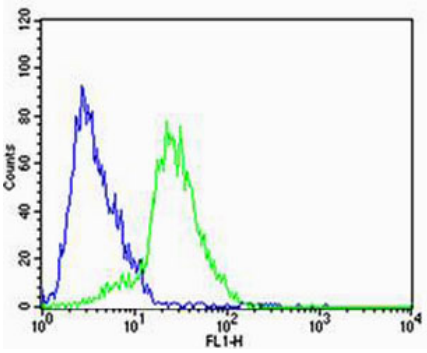
References

Scanlan M.J.,et al.Cancer Immun. 1:4-4(2001).
Shan Y.X.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Zody M.C.,et al.Nature 440:1045-1049(2006).

Images

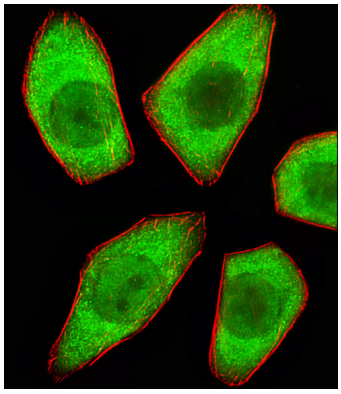


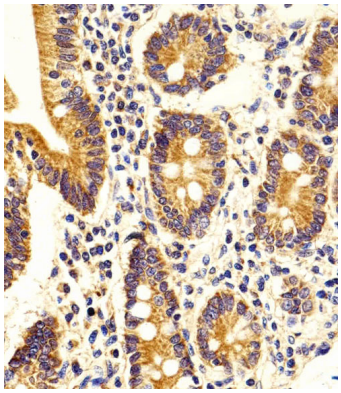
All lanes : Anti-STRADA Antibody (C-term) at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: Molt-4 cell lysate Lane 3: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Flow cytometric analysis of SH-SY5Y cells using STRADA Antibody (C-term)(green, Cat#AP20607C) compared to an isotype control of rabbit IgG(blue). AP20607C was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.

Fluorescent image of A549 cells stained with STRADA Antibody (C-term)(Cat#AP20607C). AP20607C was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).





Immunohistochemical analysis of paraffin-embedded H. duodenum section using STRADA Antibody (C-term)(Cat#AP20607C). AP20607C was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Citations

- GSK-3β controls autophagy by modulating LKB1-AMPK pathway in prostate cancer cells.