

Datasheet for ABIN7168982
anti-STK24 antibody (AA 1-431)

3 Images

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Overview

Quantity:	100 µg
Target:	STK24
Binding Specificity:	AA 1-431
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STK24 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase 24 protein (1-431AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	STK24
Alternative Name:	STK24 (STK24 Products)
Background:	Background: Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates

Target Details

oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG.

Phosphorylates STK38L on '\Thr-442\' and stimulates its kinase activity. Regulates cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN phosphorylation through PTPN12. May act as a key regulator of axon regeneration in the optic nerve and radial nerve.

Aliases: epididymis secretory protein Li 95 antibody, HEL-S-95 antibody, Mammalian STE20 like protein kinase 3 antibody, Mammalian STE20-like protein kinase 3 antibody, Mammalian STE20-like protein kinase 3 C-terminal antibody, Mammalian STE20-like protein kinase 3 N-terminal antibody, Mammalian sterile 20-like 3 antibody, MST-3 antibody, MST3/C antibody, MST3/N antibody, MST3B antibody, serine threonine kinase 24 antibody, Serine/threonine kinase 24 (Ste20, yeast homolog) antibody, Serine/threonine-protein kinase 24 12 kDa subunit antibody, Serine/threonine-protein kinase 24 antibody, STE20 homolog yeast antibody, STE20 like kinase MST3 antibody, STE20-like kinase MST3 antibody, Stk24 antibody, STK24_HUMAN antibody, STK3 antibody

UniProt: [Q9Y6E0](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

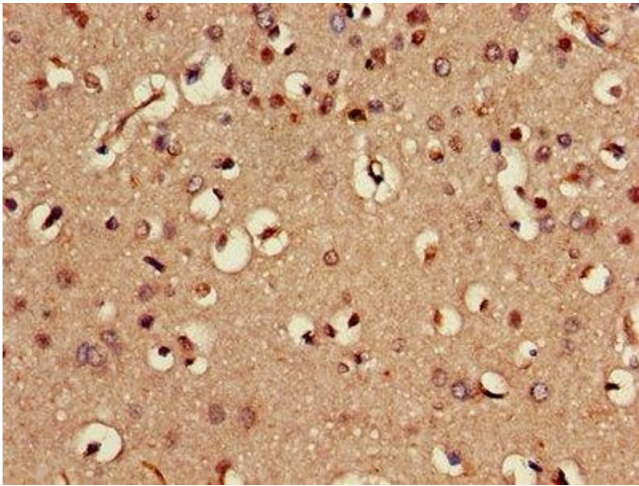
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

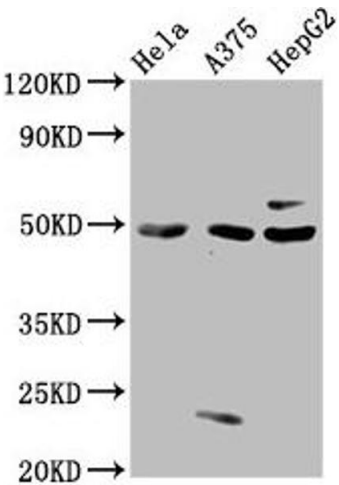
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



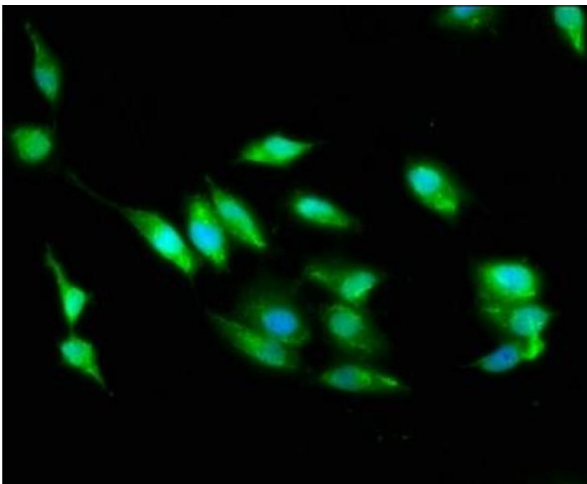
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7168982 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, A375 whole cell lysate, HepG2 whole cell lysate
All lanes: STK24 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 50, 48 kDa Observed band size: 50 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HeLa cells with ABIN7168982 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).