

STK24 Antibody

Catalog No: #35019

Package Size: #35019-1 50ul #35019-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

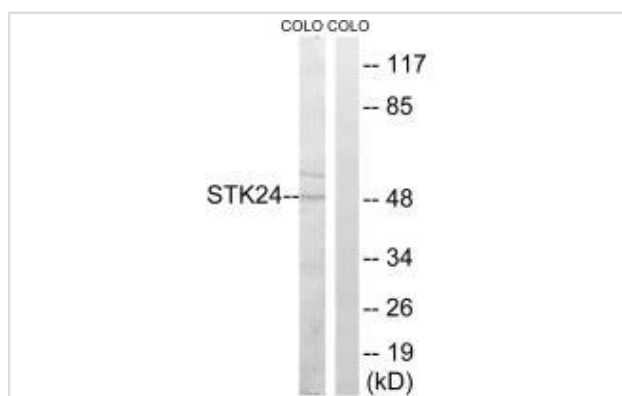
Product Name	STK24 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total STK24 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human STK24.
Target Name	STK24
Other Names	EC 2.7.11.1; STE20-like kinase MST3; MST-3; Mammalian STE20-like protein kinase 3;
Accession No.	Swiss-Prot: Q9Y6E0NCBI Gene ID: 8428
Uniprot	Q9Y6E0
GeneID	8428;
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

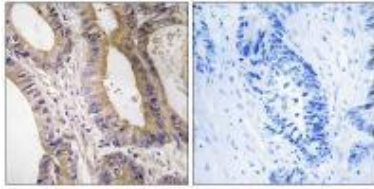
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from COLO cells, using STK24 antibody #35019.

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using STK24 antibody #35019.



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 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.

Schinkmann K., J. Biol. Chem. 272:28695-28703(1997).

Zhou T.-H., J. Biol. Chem. 275:2513-2519(2000).

Dunham A., Nature 428:522-528(2004).

Note: This product is for in vitro research use only