Product Datasheet

CLK2 Antibody

Catalog No: #33785

Package Size: #33785-1 50ul #33785-2 100ul

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

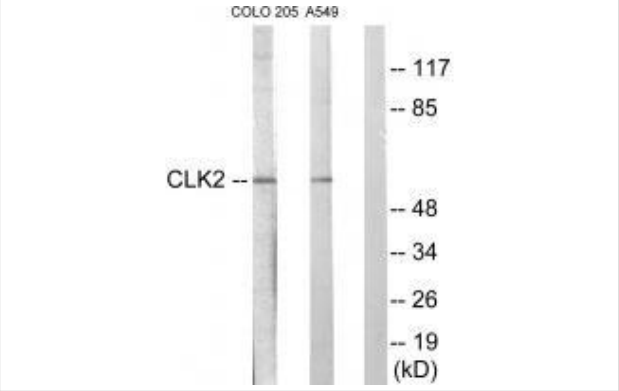
Description

Product Name	CLK2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CLK2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CLK2.
Target Name	CLK2
Other Names	CDC-like kinase 2; EC 2.7.12.1; kinase CLK2;
Accession No.	Swiss-Prot: P49760NCBI Gene ID: 1196
Uniprot	P49760
GeneID	1196;
SDS-PAGE MW	60kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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

Images



Western blot analysis of extracts from COLO205 cells and A549 cells, using CLK2 antibody #33785.

Background

Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex. May be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing and can cause redistribution of SR proteins from speckles to a diffuse nucleoplasmic distribution. Acts as a suppressor of hepatic gluconeogenesis and glucose output by repressing PPARGC1A transcriptional activity on gluconeogenic genes via its phosphorylation. Phosphorylates PPP2R5B thereby stimulating the assembly of PP2A phosphatase with the PPP2R5B-AKT1 complex leading to dephosphorylation of AKT1. Phosphorylates: PTPN1, SRSF1 and SRSF3. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells.

Hanes J.J., J. Mol. Biol. 244:665-672(1994).
Winfield S.L., Genome Res. 7:1020-1026(1997).
Lee K., J. Biol. Chem. 271:27299-27303(1996).

Note: This product is for in vitro research use only