

SPHK1 Polyclonal Antibody

Catalog number: 10670-1-AP

Size: 26 µg/150 µl

Source: Rabbit

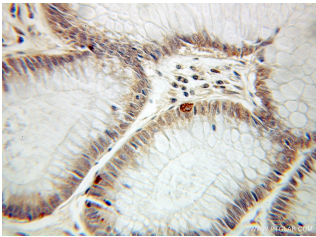
Isotype: IgG

Synonyms:

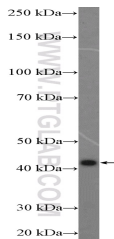
SPHK1; SK 1, sphingosine

kinase 1, SPHK, SPHK1, SPHK1

phopho, SPK, SPK 1



Immunohistochemical of paraffin-embedded human colon cancer using 10670-1-AP (SPHK1 antibody) at dilution of 1:100 (under 10x lens)



L02 cells were subjected to SDS PAGE followed by western blot with 10670-1-AP (SPHK1 Antibody) at dilution of 1:300

Background

SPHK(Sphingosine kinase 1) is also named as SPHK, SPK. It catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions and is precariously perched at the balance point between pro-growth and pro-death signalling in the cell. Endogenous SPHK1 purified from placenta has identical enzymatic characteristics, suggesting posttranslational modification does not effect functional properties (PMID:10947957). It has 2 isoforms produced by alternative splicing and can form the oligomeric structure (PMID:22335554).

Applications

Tested applications:	ELISA, IHC, WB
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated SPHK1 MW:	42.5 kDa
Observed SPHK1 MW:	42 kDa
Positive WB detected in	L02 cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1051
GenBank accession number:	BC008040
Gene ID (NCBI):	8877
Full name:	Sphingosine kinase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.