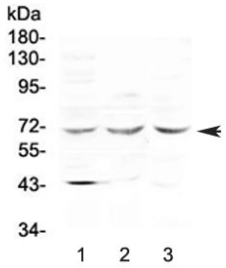
SPHK2 Antibody / Sphingosine kinase 2 (RQ4299)

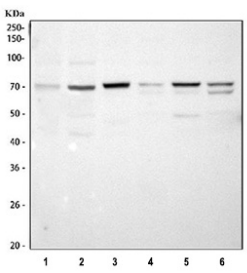
Catalog No.	Formulation	Size
RQ4299	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NRA0
Localization	Cytoplasm, membrane
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SPHK2 antibody is available for research use only.



Western blot testing of human 1) COLO-320, 2) HepG2 and 3) 22RV1 cell lysate with SPHK2 antibody at 0.5ug/ml. Predicted molecular weight ~69 kDa.



Western blot testing of 1) human HCT116, 2) human HeLa, 3) rat liver, 4) rat kidney, 5) mouse liver and 6) mouse kidney tissue lysate with SPHK2 antibody at 0.5ug/ml. Predicted molecular weight ~69 kDa.

Description

Sphingosine kinase 2 is a protein that in humans is encoded by the SPHK2 gene. This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

Optimal dilution of the SPHK2 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids F215-M269 was used as the immunogen for the SPHK2 antibody.

Storage

After reconstitution, the SPHK2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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