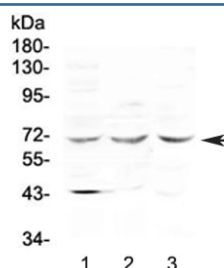


SPHK2 Antibody / Sphingosine kinase 2 (RQ4299)

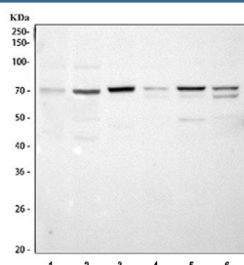
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ4299 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.