

Product Name: SK2 Mouse Monoclonal Antibody
Catalog #: AMM81564



Summary

Production Name	SK2 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC, ICC, FC, ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	SK2
Alternative Names	SPHK2; SK-2; SPK 2; SPK-2
Gene ID	56848.0
SwissProt ID	Q9NRA0.Synthesized peptide of human SK2 (AA: 36-52).

Application

Dilution Ratio	IHC:1:200-1:1000, ICC:1:200-1:1000, FC:1:200-1:400, ELISA:1:10000
Molecular Weight	69.2kDa

Background

This gene encodes one of two sphingosine kinase isozymes that catalyze the phosphorylation of sphingosine into

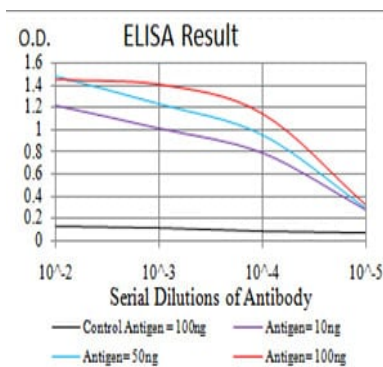
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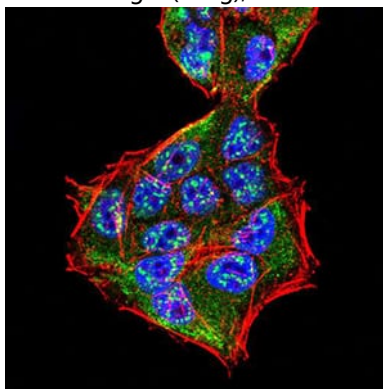
sphingosine 1-phosphate. Sphingosine 1-phosphate mediates many cellular processes including migration, proliferation and apoptosis, and also plays a role in several types of cancer by promoting angiogenesis and tumorigenesis. The encoded protein may play a role in breast cancer proliferation and chemoresistance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Research Area

Image Data

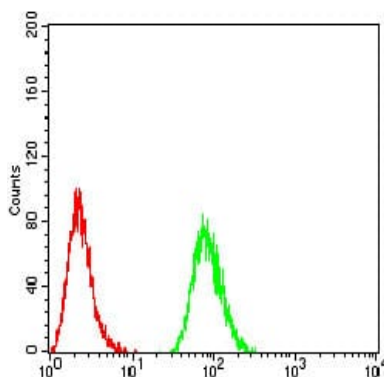


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

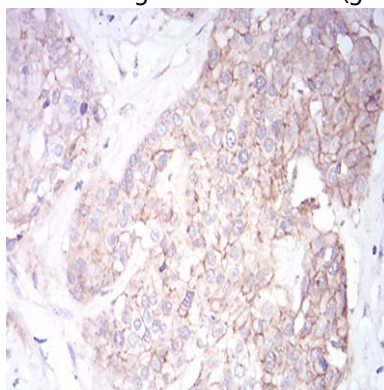


Immunofluorescence analysis of HeLa cells using SK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

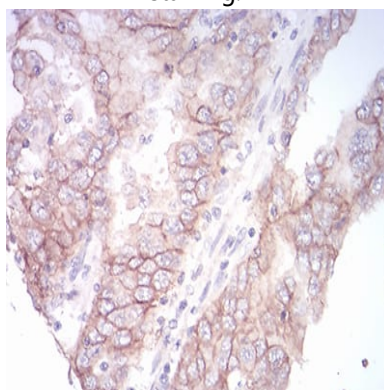
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Flow cytometric analysis of HeLa cells using SK2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using SK2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using SK2 mouse mAb with DAB staining.

Note

For research use only.