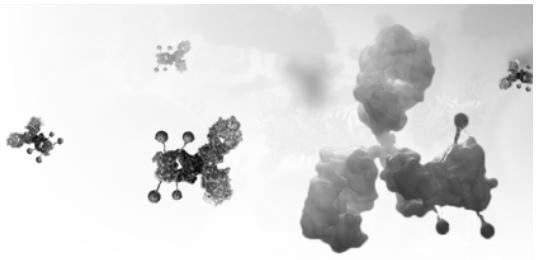

Mouse Anti-Human SPHK2 monoclonal antibody, clone 44979N (CABT-ZB1124)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Cross-reactivity: Human, Mouse, Rat
Target	SPHK2
Immunogen	KLH conjugated synthetic peptide derived from human SPHK2
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	44979N
Purification	Protein A purified
Conjugate	Unconjugated
Applications	IHC-P Recommended Dilutions: IHC-P: 1:400-800 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	Lot specific
Size	100 µL

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Buffer	0.01M TBS(pH7.4) with 50% Glycerol
Preservative	None
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	SPHK2 is a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. SPHK2 plays a role in maintaining cellular levels of sphingosine-1-phosphate. SPHK2 also enhances apoptosis in different cell types and suppresses cellular proliferation. In mast cells, SPHK2 is necessary for influx of calcium, protein kinase C activation, and cytokine production and degranulation. Alternative splicing results in multiple transcript variants.
Keywords	sphingosine kinase 2; SK 2; SPK 2; C76851; MGC102297; SPHK2_HUMAN

GENE INFORMATION

Synonyms	sphingosine kinase 2; SK 2; SPK 2; C76851; MGC102297; SPHK2_HUMAN
Entrez Gene ID	56848
UniProt ID	Q9NRA0

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