SPNS2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPNS2, Polyclonal Antibody
Full Product Name	SPNS2, NT (SPNS2, Protein spinster homolog 2) (MaxLight 550)
Product Gene Name	anti-SPNS2 antibody
Product Synonym Names	SPNS2; Protein spinster homolog 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	58,044 Da
OMIM	612584
3D Structure	ModBase 3D Structure for Q8IVW8
Immunogen	SPNS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-94 amino acids from the N-terminal region of human SPNS2.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-SPNS2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-SPNS2 antibody	Western Blot (WB), FLISA
Application Notes for anti-SPNS2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SPNS2 antibody	Sphingolipid transporter required for migration of myocardial precursors. Transports sphingosine 1-phosphate (S1P), a secreted lipid mediator that plays critical roles in cardiovascular, immunological, and neural development and function. Mediates the export of S1P from cells in the extraembryonic yolk syncytial layer (YSL), thereby regulating myocardial precursor migration.
Product References and Citations for anti-SPNS2 antibody	Kawahara, A., et al. Science 323(5913):524-527(2009). Yanagisawa, H., et al. Cell Death Differ. 10(7):798-807(2003).
Other Notes	Small volumes of anti-SPNS2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SPNS2 purchase	MBS6350680 is an antibody targeting SPNS2. Also known as SPNS2, NT (SPNS2, Protein spinster homolog 2) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPNS2. It may not necessarily be applicable to this product.

NCBI GI #	185136021
NCBI GeneID	124976
NCBI Accession #	NP_001118230.1
UniProt Primary Accession #	Q8IVW8
UniProt Secondary Accession #	B9A1T3
UniProt Related Accession #	Q8IVW8
GenBank Nucleotide #	NM_001124758.1
NCBI Official Full Name	protein spinster homolog 2
NCBI Official Synonym Full Names	spinster homolog 2 (Drosophila)
NCBI Official Symbol	SPNS2
UniProt Protein Name	Protein spinster homolog 2
Protein Family	Protein spinster
UniProt Gene Name	SPNS2
UniProt Entry Name	SPNS2_HUMAN
NCBI Protein Information	protein spinster homolog 2
UniProt Comments for SPNS2	SPNS2: Sphingolipid transporter required for migration of myocardial precursors. Transports sphingosine 1-phosphate (S1P), a secreted lipid mediator that plays critical roles in cardiovascular, immunological, and neural development and function. Mediates the export of S1P from cells in the extraembryonic yolk syncytial layer (YSL), thereby regulating myocardial precursor migration. Belongs to the major facilitator (TC 2.A.1) superfamily. Spinster (TC 2.A.1.49) family. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 17p13.2 Cellular Component: integral to membrane; lysosomal membrane; vesicle Molecular Function: sphingolipid transporter activity Biological Process: B cell homeostasis; lipid transport; locomotion; lymph node development; regulation of eye pigmentation; regulation of humoral immune response; sphingolipid metabolic process; T cell homeostasis; transmembrane transport
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