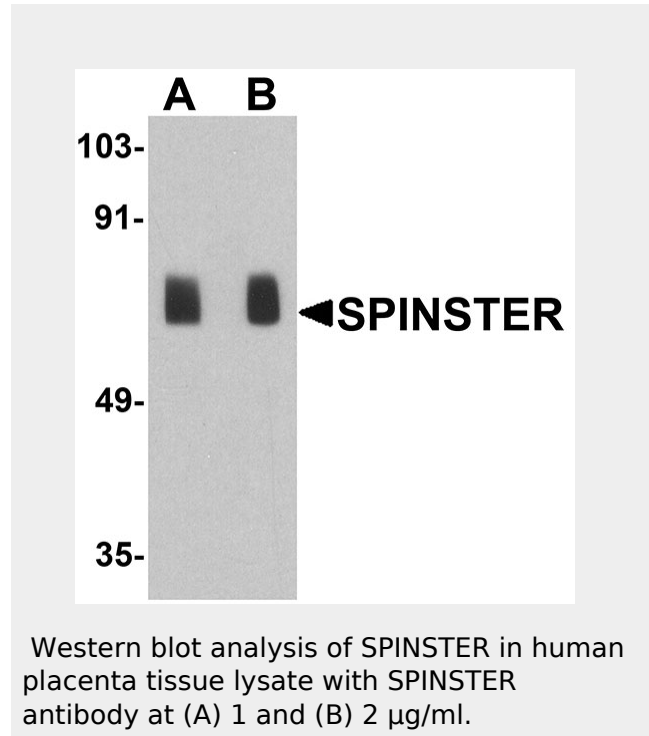


SPINSTER Antibody
Catalog # ASC11751

Specification

SPINSTER Antibody - Product Information

Application	WB
Primary Accession	Q9H2V7
Other Accession	NP_001135920 , 215490098
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 58 kDa
	Observed: 70 kDa
Application Notes	KDa SPINSTER antibody can be used for detection of SPINSTER by Western blot at 1 - 2 µg/ml.



SPINSTER Antibody - Additional Information

Gene ID **83985**
Target/Specificity
SPNS1; SPINSTER antibody is human specific. At least four isoforms of SPINSTER are known to exist. This antibody is predicted to not cross-react with other members of the spinster family of proteins.

Reconstitution & Storage
SPINSTER antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions
SPINSTER Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SPINSTER Antibody - Protein Information

Name SPNS1

SPINSTER Antibody - Background

SPINSTER, also known as SPNS1 or SPIN1, is a 528 amino acid multi-pass membrane protein that localizes to the inner mitochondrial membrane and belongs to the spinster subfamily of the major facilitator superfamily (1). SPINSTER interacts with Bcl-x and Bcl-2 and, via this interaction, is thought to be involved in necrotic or autophagic cell death (2). The related protein SPNS2 is critical for the normal lymphocyte localization and mammalian immune system function (1,3).

SPINSTER Antibody - References

- Saier MH Jr, Beatty JT, Goffeau A, et al. The major facilitator superfamily. *J. Mol. Microbiol. Biotechnol.* 1999; 1:257-79.
- Yanagisawa H, Miyashita T, Nakano Y, et al. HSpin1, a transmembrane protein interacting with Bcl-2/Bcl-xL, induces a caspase-independent autophagic cell death. *Cell Death Differ.* 2003; 10:798-807.
- Nakano Y, Fujitani K, Kurihara J, et al.

Synonyms SPIN1**Function**

Sphingolipid transporter (By similarity). May be involved in necrotic or autophagic cell death.

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein. Note=Colocalizes with SDHB

Mutations in the novel membrane protein spinster interfere with programmed cell death and cause neural degeneration in *Drosophila melanogaster*. *Mol. Cell. Biol.* 2001; 21:3775-88.

SPINSTER Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)