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SLFN14 Antibody
Catalog # ASC11037

Specification

SLFN14 Antibody - Product Information

Application	**WB, IF**
Primary Accession	P0C7P3
Other Accession	NP_001123292, 193788705
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**SLFN14 antibody can be used for detection of SLFN14 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.**

SLFN14 Antibody - Additional Information

Gene ID **342618**

Target/Specificity
SLFN14;

Reconstitution & Storage
SLFN14 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
SLFN14 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SLFN14 Antibody - Protein Information

Name SLFN14 (HGNC:32689)

Function
[Protein SLFN14]: Shows no ribosome-associated and endoribonuclease activities.

Cellular Location
[Protein SLFN14]: Nucleus

Tissue Location
Expressed in megakaryocytes and platelets (at protein level) (PubMed:26280575). Weakly expressed in melanocytes and malignant melanoma cells (PubMed:20956525)

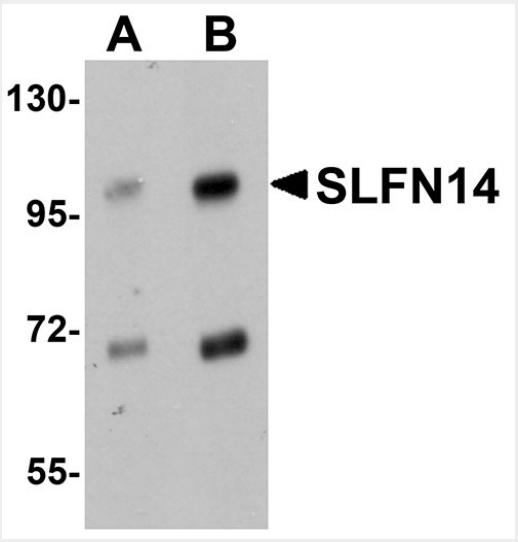
SLFN14 Antibody - Protocols

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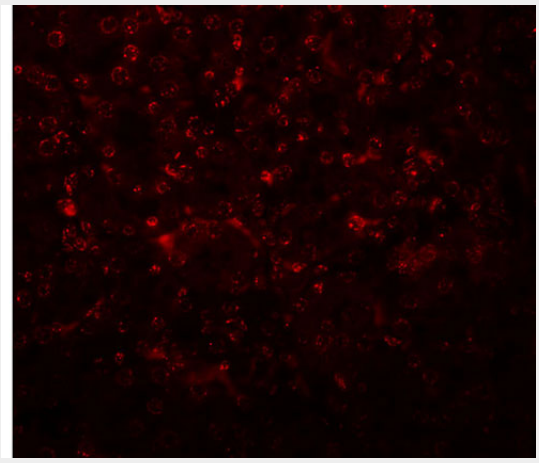
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLFN14 Antibody - Images



Western blot analysis of SLFN14 in mouse kidney tissue lysate with SLFN14 antibody at (A) 1 and (B) 2 µg/mL.



Immunofluorescence of SLFN14 in mouse kidney tissue with SLFN14 antibody at 20 µg/mL.

SLFN14 Antibody - Background

SLFN14 Antibody: Despite being first described several years ago, the roles of the Schlafen (SLFN) family of proteins remain largely unknown. The SLFN genes are preferentially expressed in lymphoid tissues and differentially regulated during thymocyte maturation. It is thought that many play roles in cell growth, hemopoietic cell differentiation, and T cell development and maturation.

Most members contain at least one divergent AAA domain (AAA_4) that may play a role in ATP binding. SLFN14 is a recently identified member of the SLFN family; its role has yet to be determined.

SLFN14 Antibody - References

Schwarz DA, Katamaya CD, and Hedrick SM. Schlafen, a new family of growth regulatory genes that affect thymocyte development. Immunity1998; 9:657-68.
Bustos O, Naik S, Ayers G, et al. Evolution of the Schlafen genes, a gene family associated with embryonic lethality, meiotic drive, immune processes and orthopoxvirus virulence. Gene2009; 447:1-11.