

SLFN14 Antibody

Catalog # ASC11037

Product Information

Application	WB, IF, E
Primary Accession	P0C7P3
Other Accession	NP_001123292 , 193788705
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	103907
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SLFN14 antibody can be used for detection of SLFN14 by Western blot at 1 - 2 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	342618
Other Names	Schlafen family member 14, SLFN14
Target/Specificity	SLFN14;
Reconstitution & Storage	SLFN14 antibody can be stored at 4°C for three months and -20°C, 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.

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)

Background

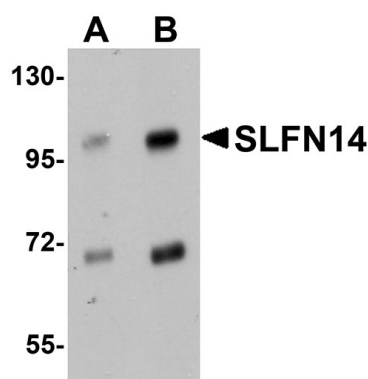
SLFN14 Antibody: Despite being first described several years ago, the roles of the Schlafen (SLFN) family of proteins remain largely unknown. The SLFN genes are preferentially expressed in lymphoid tissues and differentially regulated during thymocyte maturation. It is thought that many play roles in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

References

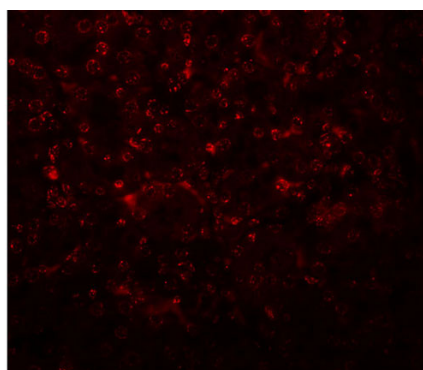
Schwarz DA, Katamaya CD, and Hedrick SM. Schlafen, a new family of growth regulatory genes that affect thymocyte development. *Immunity*1998; 9:657-68.

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. *Gene*2009; 447:1-11.

Images



Western blot analysis of SLFN14 in mouse kidney tissue lysate with SLFN14 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunofluorescence of SLFN14 in mouse kidney tissue with SLFN14 antibody at 20 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.