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Anti-Protein SLFN14 SLFN14 Antibody

Catalog Number: A11813

About SLFN14

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.

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Overview

Product Name	Anti-Protein SLFN14 SLFN14 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Protein SLFN14 SLFN14 Antibody (Catalog # A11813). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	SLFN14 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	SLFN14 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P0C7P3

Technical Details

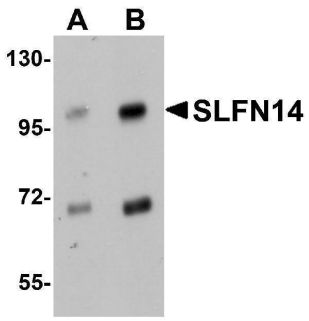
Immunogen	SLFN14 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus human SLFN14. The immunogen is located within amino acids 730 - 780 of SLFN14.
Predicted Reactive Species	Rabbit
Isotype	IgG

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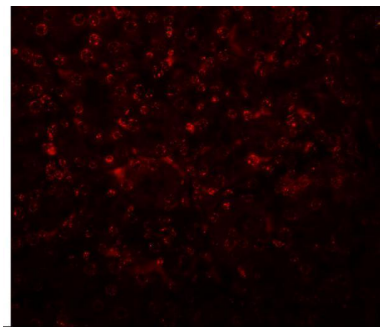
Form	Liquid
Concentration	1 mg/mL
Purification	SLFN14 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SLFN14 antibody can be used for detection of SLFN14 by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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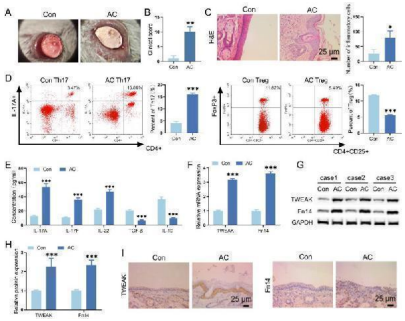
Anti-Protein SLFN14 SLFN14 Antibody (A11813) Images



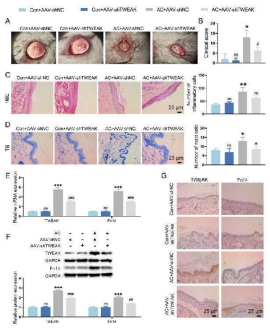
Western blot analysis of SLFN14 in mouse kidney tissue lysate with SLFN14 antibody at (A) 1 and (B) 2 ug/mL.



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



Th17/Treg cell differentiation ratio and TWEAK/Fn14 signaling level in AC mice. (A) The state of mice ocular surface was observed by slit-lamp. (B) The clinical scores of mice were performed according to the status of eyelid, conjunctiva and cornea. (C) HE staining was utilized to evaluate the pathological changes of conjunctival tissue in mice. (D) The proportion of Th17 or Treg cells in spleen of mice was assessed by flow cytometry. (E) The levels of Th17 and Treg cytokines in mice spleen were evaluated by ELISA. (F-H) TWEAK and Fn14 levels in ocular conjunctival tissue were measured by qRT-PCR and WB. (I) IHC was used to observe the protein level of TWEAK and Fn14 in ocular conjunctival tissue. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. ControlIndex in PubMed under a CC BY license. PMID: 39592944



TWEAK knockdown affected conjunctivitis in AC mice. (A) The effect of TWEAK knockdown on the state of mice ocular surface was observed under slit-lamp. (B) Clinical score of eyelid, conjunctiva and cornea to assess the effect of TWEAK knockdown in AC mice. (C-D) HE staining and TB staining were utilized to evaluate the effect of TWEAK knockdown on conjunctivitis in mice. (E-G) The levels of TWEAK and Fn14 in conjunctival tissue were detected by qRT-PCR, IHC and WB. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$ vs. Con + AAV-shNC; # $p < 0.05$, ## $p < 0.01$, ### $p < 0.001$ vs. AC + AAV-shNC; ns, no significant differenceIndex in PubMed under a CC BY license. PMID: 39592944

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