

Datasheet for 600-401-EP7**SLFN12 Antibody****Overview**

Description:	Anti-SLFN12 (RABBIT) Antibody - 600-401-EP7
Item No.:	600-401-EP7
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	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. Although also known as SLFN3, a Schlafen family member that may be a marker of T cell activation, human SLFN12 has relatively low homology to SLFN3 in other species. Loss of the SLFN12 gene due to deletion is associated with Kabuki syndrome, a multiple congenital anomaly syndrome, suggesting SLFN may play a role in this genetic condition.
Synonyms:	SLFN12 Antibody, SLFN3, Schlafen family member 12
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLFN12
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLFN12 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide from near the C-terminus human SLFN12.

Purity/Specificity: Anti-SLFN12 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SLFN12 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q8IYM2](#)
- [GeneID - 55106](#)
- [NCBI - NP_060512](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-SLFN12 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 67 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

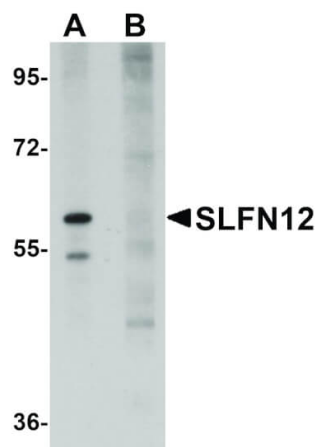
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of SLFN12 antibody. Lane 1: SK-N-SH cell lysate in the absence of blocking peptide. Lane 2: SK-N-SH cell lysate in the presence of blocking peptide. Primary Antibody: Anti-SLFN12 antibody at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 67 kDa, 60 kDa for SLFN12. Other band(s): SLFN12 splice variants and isoforms.

Disclaimer

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