

SPRR2A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10758b

Specification

SPRR2A Antibody (C-term) - Product Information

Application WB,E **Primary Accession** P35326 Other Accession NP 005979.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Antigen Region 48-72

SPRR2A Antibody (C-term) - Additional Information

Gene ID 6700

Other Names

Small proline-rich protein 2A, SPR-2A, 2-1, SPRR2A

Target/Specificity

This SPRR2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-72 amino acids from the C-terminal region of human SPRR2A.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SPRR2A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SPRR2A Antibody (C-term) - Protein Information

Name SPRR2A {ECO:0000303|PubMed:34735226, ECO:0000312|HGNC:HGNC:11261}

Function Gut bactericidal protein that selectively kills Gram-positive bacteria by binding to negatively charged lipids on bacterial membranes, leading to bacterial membrane



permeabilization and disruption (PubMed:34735226). Specifically binds lipids bearing negatively charged headgroups, such as phosphatidic acid, phosphatidylserine (PS), cardiolipin (CL), and phosphatidylinositol phosphates, but not to zwitterionic or neutral lipids (PubMed:34735226). Induced by type-2 cytokines in response to helminth infection and is required to protect against helminth-induced bacterial invasion of intestinal tissue (By similarity). May also be involved in the development of the cornified envelope of squamous epithelia; however, additional evidences are required to confirm this result in vivo (PubMed:8325635).

Cellular Location

Secreted. Secreted, extracellular space. Cytoplasmic vesicle, secretory vesicle. Note=Present in intestinal secretory epithelial cells and is secreted into the intestinal lumen.

Tissue Location

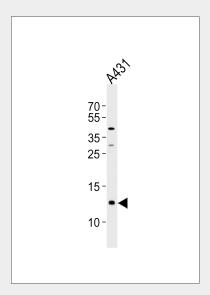
Expressed in intestine; selectively expressed in goblet cells.

SPRR2A Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

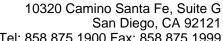
SPRR2A Antibody (C-term) - Images



Western blot analysis of lysate from A431 cell line, using SPRR2A Antibody (C-term)(Cat. #AP10758b). AP10758b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

SPRR2A Antibody (C-term) - Background

Cross-linked envelope protein of keratinocytes. It is a keratinocyte protein that first appears in the





Tel: 858.875.1900 Fax: 858.875.1999

cell cytosol, but ultimately becomes cross-linked to membrane proteins by transglutaminase. All that results in the formation of an insoluble envelope beneath the plasma membrane.

SPRR2A Antibody (C-term) - References

Kainu, K., et al. Exp. Dermatol. 18(2):109-115(2009) Demetris, A.J., et al. J. Hepatol. 48(2):276-288(2008) Tong, L., et al. Invest. Ophthalmol. Vis. Sci. 47(5):1938-1946(2006) Hong, S.H., et al. Mol. Cells 17(3):477-484(2004) Cabral, A., et al. J. Biol. Chem. 278(20):17792-17799(2003)