

SPRR2A Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10758b**Specification**

SPRR2A Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P35326](#)**SPRR2A Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6700**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPRR2A Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SPRR2A Antibody (C-term) Blocking peptide - Images

SPRR2A Antibody (C-term) Blocking peptide - Background

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