

SCRIB Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18837a**Specification**

SCRIB Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q14160](#)**SCRIB Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 23513**Other Names**

Protein scribble homolog, Scribble, hScrib, Protein LAP4, SCRIB, CRIB1, KIAA0147, LAP4, SCRIB1, VARTUL

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.

SCRIB Antibody (N-term) Blocking Peptide - Protein Information**Name** SCRIB**Synonyms** CRIB1, KIAA0147, LAP4, SCRIB1, VARTUL**Function**

Scaffold protein involved in different aspects of polarized cell differentiation regulating epithelial and neuronal morphogenesis and T-cell polarization (PubMed: [15182672](http://www.uniprot.org/citations/15182672), PubMed: [16344308](http://www.uniprot.org/citations/16344308), PubMed: [19041750](http://www.uniprot.org/citations/19041750), PubMed: [18716323](http://www.uniprot.org/citations/18716323), PubMed: [18641685](http://www.uniprot.org/citations/18641685), PubMed: [16965391](http://www.uniprot.org/citations/16965391), PubMed: [27380321](http://www.uniprot.org/citations/27380321)). Via its interaction with CRTAM, required for the late phase polarization of a subset of CD4+ T-cells, which in turn regulates TCR-mediated proliferation and IFNG and IL22 production (By similarity). Most probably functions in the establishment of apico- basal cell polarity (PubMed: [16344308](http://www.uniprot.org/citations/16344308), PubMed: [19041750](http://www.uniprot.org/citations/19041750)). May function in cell proliferation regulating progression from G1 to S phase and as a positive regulator of

apoptosis for instance during acinar morphogenesis of the mammary epithelium (PubMed:16965391, PubMed:19041750). May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling (PubMed:18716323, PubMed:18641685). May play a role in exocytosis and in the targeting of synaptic vesicles to synapses (PubMed:15182672). Functions as an activator of Rac GTPase activity.

Cellular Location

Cell membrane; Peripheral membrane protein. Cell junction. Cell junction, adherens junction. Cell projection, lamellipodium. Cytoplasm. Postsynapse. Presynapse. Note=Targeting to cell-cell junctions which is CDH1-dependent is required for the pro-apoptotic activity. In a subset of CD4+ T-cells, colocalizes with CRTAM at the immunological synapse during the late phase of T-cell activation (By similarity) {ECO:0000250|UniProtKB:Q80U72}

Tissue Location

Expressed in kidney, skeletal muscles, liver, lung, breast, intestine, placenta and skin mainly in epithelial cells (at protein level).

SCRIB Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SCRIB Antibody (N-term) Blocking Peptide - Images

SCRIB Antibody (N-term) Blocking Peptide - Background

SCRIB is a cytoplasmic multimodular scaffold proteintargeted to epithelial adherens junctions and neuronal presynapticcompartments. SCRIB and its orthologs in vertebrates andinvertebrates participate in cell polarization (summary by Nola et al., 2008 [PubMed 18716323]).

SCRIB Antibody (N-term) Blocking Peptide - References

Liu, H., et al. J. Virol. 84(21):11164-11174(2010)Nagasaka, K., et al. Oncogene 29(38):5311-5321(2010)Ivanov, A.I., et al. Am. J. Pathol. 176(1):134-145(2010)Ouyang, Z., et al. Oncol. Res. 18 (11-12), 593-599 (2010) :Arnaud, C., et al. FEBS Lett. 583(14):2326-2332(2009)