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Anti-Scribble Antibody
Rabbit polyclonal antibody to Scribble
Catalog # AP61240

Specification

Anti-Scribble Antibody - Product Information

Application	**WB**
Primary Accession	Q14160
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**177724**

Anti-Scribble Antibody - Additional Information

Gene ID 23513

Other Names
CRIB1; KIAA0147; LAP4; SCRB1; VARTUL; Protein scribble homolog; Scribble; hScrib; Protein LAP4

Target/Specificity
Recognizes endogenous levels of Scribble protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Scribble Antibody - Protein Information

Name SCRIB (HGNC:30377)

Function
Scaffold protein involved in different aspects of polarized cell differentiation regulating epithelial and neuronal morphogenesis and T-cell polarization (PubMed:15182672, PubMed:16344308, PubMed:16965391, PubMed:18641685, PubMed:18716323, PubMed:19041750, PubMed: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). Plays a role in cell directional movement, cell orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Promotes epithelial cell layer barrier function via maintaining cell-cell adhesion (By similarity). Most probably functions in the establishment of apico- basal cell polarity (PubMed:16344308, PubMed: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 regulate cell invasion via MAPK-mediated cell migration and adhesion (PubMed:18641685, PubMed:18716323). 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 (PubMed:15182672).

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) Localized to small puncta throughout the cytoplasm and cell membrane when in the presence of SNAIL1 (By similarity). Localized along the length of perinuclear emanating vimentin bundles and at vimentin- positive fibrils at the cell periphery (PubMed:19386766). Localized to the lateral plasma membrane during the establishment and maturation of cell-cell contacts (PubMed:19386766) {ECO:0000250|UniProtKB:A0A8P0N4K0, ECO:0000250|UniProtKB:Q80U72, ECO:0000269|PubMed:19386766}

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

Anti-Scribble Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Scribble Antibody - Images

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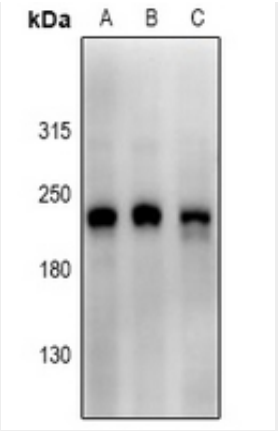

Western blot analysis of Scribble expression in HEK293T (A), MCF7 (B), HCT116 (C) whole cell lysates.

Anti-Scribble Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Scribble. The exact sequence is proprietary.