

# SCRIBBLE Rabbit pAb

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Catalog # AP57592

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q14160</a>
<b>Predicted</b>	Human, Mouse, Macaque, Orangutan
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	177724
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human SCRIBBLE
<b>Epitope Specificity</b>	1-100/1630
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cell membrane. Cell junction > adherens junction. Cytoplasm. Targeting to cell-cell junctions which is CDH1-dependent is required for the pro-apoptotic activity. Localizes to neuronal post- and pre-synaptic regions.
<b>SIMILARITY</b>	Belongs to the LAP (LRR and PDZ) protein family. Contains 16 LRR (leucine-rich) repeats. Contains 4 PDZ (DHR) domains.
<b>Post-translational modifications</b>	Ubiquitinated; targeted for UBE3A-dependent multiubiquitination in the presence of high-risk HPV E6 proteins and degraded.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	This gene encodes a protein that was identified as being similar to the Drosophila scribble protein. The mammalian protein is involved in tumor suppression pathways. As a scaffold protein involved in cell polarization processes, this protein binds to many other proteins. The encoded protein binds to papillomavirus E6 protein via its PDZ domain and the C-terminus of E6. Two alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

## Additional Information

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<b>Gene ID</b>	23513
<b>Other Names</b>	Protein scribble homolog, Scribble, hScrib, Protein LAP4, SCRIB ( <a href="#">HGNC:30377</a> )
<b>Target/Specificity</b>	Expressed in kidney, skeletal muscles, liver, lung, breast, intestine, placenta and skin mainly in epithelial cells (at protein level).
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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## Protein Information

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<b>Name</b>	SCRIB ( <a href="#">HGNC:30377</a> )
<b>Function</b>	Scaffold protein involved in different aspects of polarized cell differentiation regulating epithelial and neuronal morphogenesis and T-cell polarization (PubMed: <a href="#">15182672</a> , PubMed: <a href="#">16344308</a> , PubMed: <a href="#">16965391</a> , PubMed: <a href="#">18641685</a> , PubMed: <a href="#">18716323</a> , PubMed: <a href="#">19041750</a> , PubMed: <a href="#">27380321</a> ). 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: <a href="#">16344308</a> , PubMed: <a href="#">19041750</a> ). 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: <a href="#">16965391</a> , PubMed: <a href="#">19041750</a> ). May regulate cell invasion via MAPK-mediated cell migration and adhesion (PubMed: <a href="#">18641685</a> , PubMed: <a href="#">18716323</a> ). May play a role in exocytosis and in the targeting of synaptic vesicles to synapses (PubMed: <a href="#">15182672</a> ). Functions as an activator of Rac GTPase activity (PubMed: <a href="#">15182672</a> ).
<b>Cellular Location</b>	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}
<b>Tissue Location</b>	Expressed in kidney, skeletal muscles, liver, lung, breast, intestine, placenta and skin mainly in epithelial cells (at protein level).

## Background

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This gene encodes a protein that was identified as being similar to the Drosophila scribble protein. The mammalian protein is involved in tumor suppression pathways. As a scaffold protein involved in cell polarization processes, this protein binds to many other proteins. The encoded protein binds to papillomavirus E6 protein via its PDZ domain and the C-terminus of E6. Two alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.