

Rabbit SCRIBBLE Polyclonal Antibody | anti-SCRIBBLE antibody

Anti-SCRIBBLE Picoband antibody

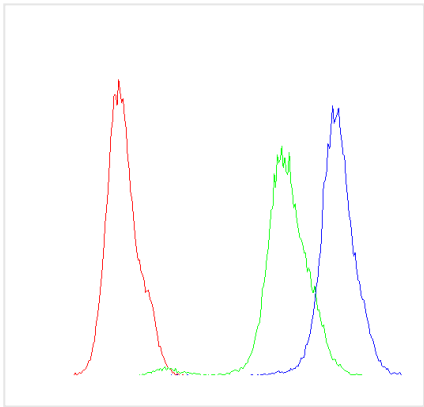
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124658	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SCRIBBLE; Polyclonal Antibody; Anti-SCRIBBLE Picoband antibody; Protein scribble homolog; Scribble; hScrib; Protein LAP4; SCRIB; CRIB1; KIAA0147; LAP4; SCRB1; VARTUL; anti-SCRIBBLE antibody

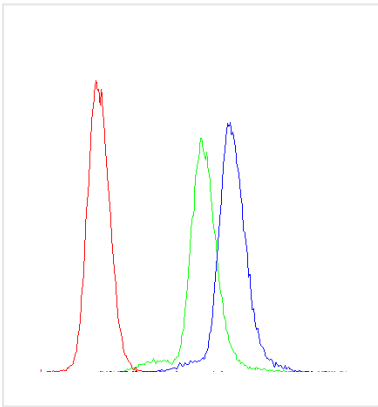
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	1,655
Applicable Applications for anti-SCRIBBLE antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E Coli-derived human SCRIBBLE recombinant protein (Position: F172-K409).
Subcellular Localization	Cell membrane.
Tissue Specificity	Expressed in kidney, skeletal muscles, liver, lung, breast, intestine, placenta and skin mainly in epithelial cells (at protein level).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



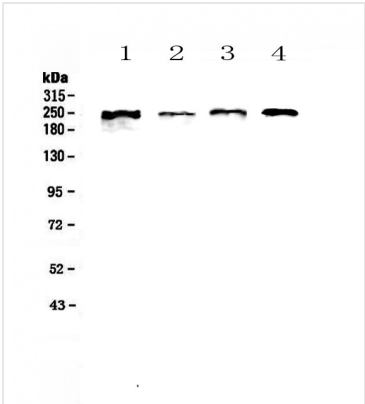
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-SCR1B antibody (AAA124658).Overlay histogram showing HepG2 cells stained with AAA124658 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SCR1B Antibody (AAA124658,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight @488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of A549 cells using anti-SCR1B antibody (AAA124658).Overlay histogram showing A549 cells stained with AAA124658 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SCR1B Antibody (AAA124658,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight @488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of SCRIBBLE using anti-SCRIBBLE antibody (AAA124658).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human MCF-7 whole cell lysates,Lane 2: human COLO-320 whole cell lysates,Lane 3: human 22RV1 whole cell lysates,Lane 4: human SGC-7901 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SCRIBBLE antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SCRIBBLE at approximately 240KD. The expected band size for SCRIBBLE is at 175KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SCRIBBLE antibody	Description: SCRIB, also known as Scribble, SCRIBL, or Scribbled homolog (Drosophila), is a scaffold protein which in humans is encoded by the SCRIB gene. In Drosophila melanogaster, SCRIB is involved in synaptic function, neuroblast differentiation, and epithelial polarization. Mechanistically, the human homolog is a scaffold protein linked to cellular differentiation centered on the regulation of epithelial as well as neuronal morphogenesis. Deficiency in SCRIB impairs many aspects of cell polarity and cell movement. SCRIB is also likely involved in establishing apical-basal polarity as well as progression from the G1 phase to S phase in the cell cycle as a result of its relationship with cell proliferation and exocytosis. Protein Function: Scaffold protein involved in different aspects of polarized cells differentiation regulating epithelial and neuronal morphogenesis. Most probably functions in the establishment of apico-basal cell polarity. 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. May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling. May play a role in exocytosis and in the targeting synaptic vesicles to synapses. Functions as an activator of Rac GTPase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	355390315
NCBI GeneID	23513
NCBI Accession #	NP_056171.3
NCBI GenBank Nucleotide #	NM_015356.4
UniProt Accession #	Q14160; Q6P496; Q7Z5D1; Q8WWW8; Q96C69; Q96GG1
Molecular Weight	177,694 Da
NCBI Official Full Name	protein scribble homolog isoform b
NCBI Official Synonym Full Names	scribbled planar cell polarity protein
NCBI Official Symbol	SCRIB
NCBI Official Synonym Symbols	CRIB1; SCRB1; SCRIB1; Vartul
NCBI Protein Information	protein scribble homolog
UniProt Protein Name	Protein scribble homolog
UniProt Gene Name	SCRIB
UniProt Synonym Gene Names	CRIB1; KIAA0147; LAP4; SCRB1; VARTUL; Scribble; hScrib

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.