Datasheet for ABIN5693286

anti-SCRIB antibody (AA 172-409)

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1 Image

Overview

Quantity:	100 µg
Target:	SCRIB
Binding Specificity:	AA 172-409
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (IHC)

Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived human SCRIBBLE recombinant protein (Position: F172-K409).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for SCRIBBLE detection. Tested with WB, IHC-F, ICC, FCM, Direct ELISA in Human,Mouse,Rat.

Target Details

Target:	SCRIB
Alternative Name:	SCRIB (SCRIB Products)
Background:	Synonyms: Protein scribble homolog, Scribble, hScrib, Protein LAP4, SCRIB, CRIB1, KIAA0147, LAP4, SCRB1, VARTUL

Target Details

	Tissue Specificity: Expressed in kidney, skeletal muscles, liver, lung, breast, intestine, placenta and skin mainly in epithelial cells (at protein level). Background: 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.
UniProt:	Q14160
Pathways:	Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Tube Formation, Synaptic Vesicle Exocytosis, Asymmetric Protein Localization

Application Details

Application Notes:	Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(F) and ICC. Application Details: Western blot, 0.1-0.5 µg/mL Immunohistochemistry(Frozen Section), 0.5-1 µg/mL Immunocytochemistry, 0.5-1 µg/mL Flow Cytometry, 1-3 µg/1x10^6 cells Direct ELISA, 0.1-0.5 µg/mL
Restrictions:	For Research Use only

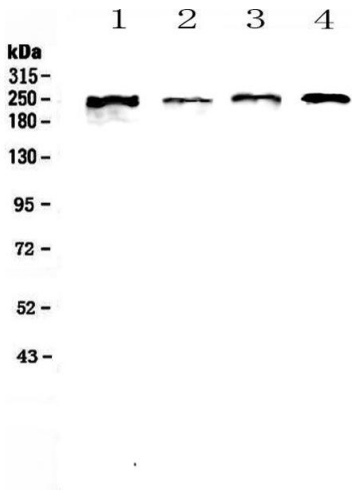
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of SCRIBBLE using anti-SCRIBBLE antibody . 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 (Catalog #) at 0.5 µg/mL overnight at 4°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 (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SCRIBBLE at approximately 240KD. The expected band size for SCRIBBLE is at 175KD.