

Rabbit anti-Human SCYL2 Polyclonal Antibody | anti-SCYL2 antibody

Anti-SCYL2 Antibody Picoband

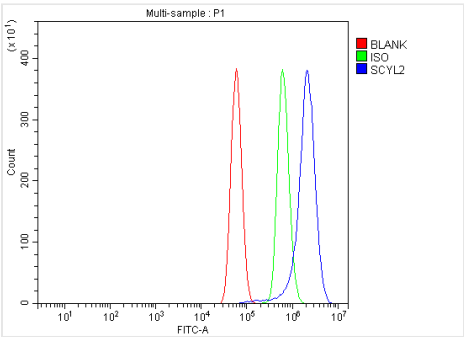
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126526	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

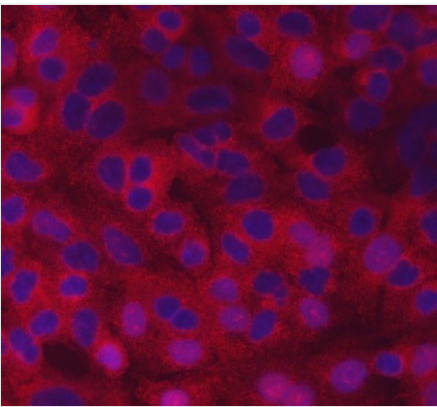
SCYL2; Polyclonal Antibody; Anti-SCYL2 Antibody Picoband; anti-SCYL2 antibody

PRODUCT SPECIFICATIONS

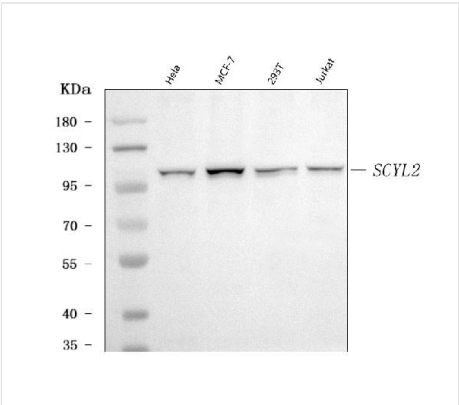
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SCYL2 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SCYL2 recombinant protein (Position: E208-Q909).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of U87 cells using anti-SCYL2 antibody (AAA126526).Overlay histogram showing U87 cells stained with AAA126526 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SCYL2 Antibody (AAA126526, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DylLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 2. IF analysis of SCYL2 using anti-SCYL2 antibody (A08425-1).SCYL2 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SCYL2 Antibody (A08425-1) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)
Figure 1. Western blot analysis of SCYL2 using anti-SCYL2 antibody (AAA126526).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 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human 293T whole cell lysates,Lane 4: human Jurkat whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-SCYL2 antigen affinity purified polyclonal antibody (#AAA126526) at 0.5 ug/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 1:5000 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 SCYL2 at approximately 104 kDa. The expected band size for SCYL2 is at 104 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SCYL2 antibody	SCY1-like protein 2 is a protein that in humans is encoded by the SCYL2 gene. The protein encoded by this gene associates with clathrin-coated complexes at the plasma membrane and with endocytic coated vesicles. The encoded protein phosphorylates the beta2 subunit of the plasma membrane adapter complex AP2 and interacts with clathrin, showing involvement in clathrin-dependent pathways between the trans-Golgi network and the endosomal system. In addition, this protein has a role in the Wnt signaling pathway by targeting frizzled 5 (Fzd5) for lysosomal degradation. Two transcript variants encoding the same protein have been found for this gene.
Product Categories/Family for anti-SCYL2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	960513927
NCBI GeneID	55681
NCBI Accession #	NM_017988.5
NCBI GenBank Nucleotide #	NM_017988
UniProt Accession #	Q6P3W7; Q96EF4; Q96ST4; Q9H7V5; Q9NVH3; Q9P2I7; A8KAB5
Molecular Weight	~84 kDa
NCBI Official Full Name	Homo sapiens SCY1 like pseudokinase 2 (SCYL2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	SCY1 like pseudokinase 2
NCBI Official Symbol	SCYL2
NCBI Official Synonym Symbols	CVAK104
NCBI Protein Information	SCY1-like protein 2
UniProt Protein Name	SCY1-like protein 2
UniProt Gene Name	SCYL2
UniProt Synonym Gene Names	CVAK104; KIAA1360

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/scyl2-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126526>