

Rabbit SNTG2 Polyclonal Antibody | anti-SNTG2 antibody

Anti-SNTG2 Antibody Picoband

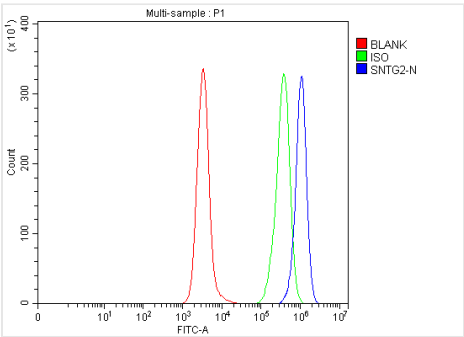
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127724	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

SNTG2; Polyclonal Antibody; Anti-SNTG2 Antibody Picoband; eva-1 homolog A; regulator of programmed cell death; Protein eva-1 homolog A; Protein FAM176A; Transmembrane protein 166; EVA1A; FAM176A; TMEM166; SP24; anti-SNTG2 antibody

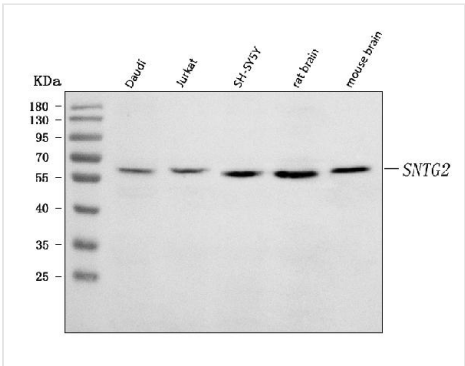
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.
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 .
Applicable Applications for anti-SNTG2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human SNTG2 recombinant protein (Position: I100-R430).
Subcellular Localization	Endoplasmic reticulum membrane, Single-pass membrane protein, Lysosome membrane
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis.
Preparation and Storage	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 2. Flow Cytometry analysis of Daudi cells using anti-SNTG2 antibody (AAA127724).Overlay histogram showing Daudi cells stained with AAA127724 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SNTG2 Antibody (AAA127724, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 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 (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of SNTG2 using anti-SNTG2 antibody (AAA127724).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 Daudi whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: mouse brain tissue 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-SNTG2 antigen affinity purified polyclonal antibody (#AAA127724) 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 1:5000 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 SNTG2 at approximately 60 kDa. The expected band size for SNTG2 is at 60 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNTG2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-SNTG2 antibody	Primary Antibodies; Cell Biology; Proteasome/Ubiquitin; Proteolysis/Ubiquitin; Ubiquitin E3 Enzymes
References	1. Piluso, G., Mirabella, M., Ricci, E., Belsito, A., Abbondanza, C., Servidei, S., Puca, A. A., Tonali, P., Puca, G. A., Nigro, V. Gamma-1- and gamma-2-syntrophins, two novel dystrophin-binding proteins localized in neuronal cells. J. Biol. Chem. 275: 15851-15860, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8247277
UniProt Accession #	Q9NY99; Q05AH5
Molecular Weight	60,217 Da
NCBI Official Full Name	syntrophin 5
UniProt Protein Name	Gamma-2-syntrophin
UniProt Gene Name	SNTG2
UniProt Synonym Gene Names	G2SYN; SYN5
UniProt Entry Name	SNTG2_HUMAN

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.