

Rabbit anti-Human gamma Synuclein/SNCG Polyclonal Antibody | anti-SNCG antibody

Anti-gamma Synuclein/SNCG Antibody Picoband

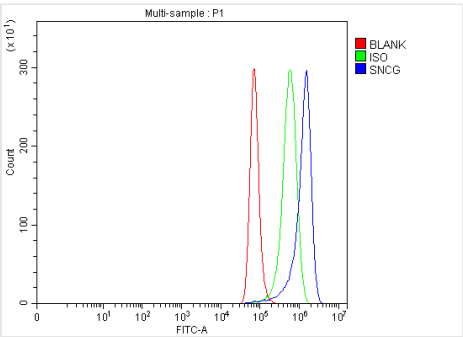
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126316	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

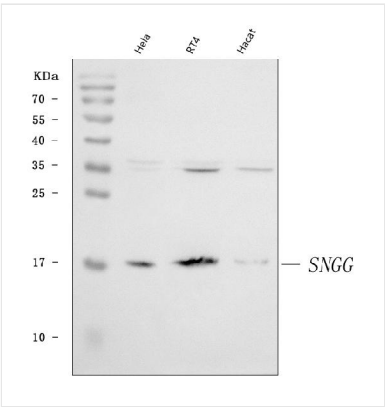
gamma Synuclein/SNCG; Polyclonal Antibody; Anti-gamma Synuclein/SNCG Antibody Picoband; anti-SNCG antibody

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-SNCG antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human gamma Synuclein/SNCG (VVRKEDLRPSAPQQEGEASKEK).
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 2. Flow Cytometry analysis of HeLa cells using anti-gamma Synuclein/SNCG antibody (AAA126316). Overlay histogram showing HeLa cells stained with AAA126316 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-gamma Synuclein/SNCG Antibody (AAA126316, 1 ug/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 (1 ug/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 gamma Synuclein/SNCG using anti-gamma Synuclein/SNCG antibody (AAA126316). 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 RT4 whole cell lysates, Lane 3: human Hacat 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-gamma Synuclein/SNCG antigen affinity purified polyclonal antibody (#AAA126316) 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 gamma Synuclein/SNCG at approximately 17 kDa. The expected band size for gamma Synuclein/SNCG is at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNCG antibody	Gamma-synuclein is a protein that in humans is encoded by the SNCG gene. This gene encodes a member of the synuclein family of proteins which are believed to be involved in the pathogenesis of neurodegenerative diseases. Mutations in this gene have also been associated with breast tumor development.
Product Categories/Family for anti-SNCG antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	209693439
NCBI GeneID	6623
NCBI Accession #	NP_003078.2
NCBI GenBank Nucleotide #	NM_003087.2
UniProt Accession #	O76070; O15104; Q96P61
Molecular Weight	13,331 Da
NCBI Official Full Name	gamma-synuclein
NCBI Official Synonym Full Names	synuclein, gamma (breast cancer-specific protein 1)
NCBI Official Symbol	SNCG
NCBI Official Synonym Symbols	SR; BCSG1
NCBI Protein Information	gamma-synuclein; persyn; synoretin; breast cancer-specific gene 1 protein
UniProt Protein Name	Gamma-synuclein

UniProt Gene Name	SNCG
UniProt Synonym Gene Names	BCSG1; PERSYN; PRSN; SR
UniProt Entry Name	SYUG_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gamma-synuclein-sncg-antibody-flow-cytometry-western-blot-elisa/126316>