

Rabbit anti-Human Alpha SNAP/NAPA Polyclonal Antibody | anti-AlphaSNAP/NAPA antibody

Anti-Alpha SNAP/NAPA Antibody Picoband

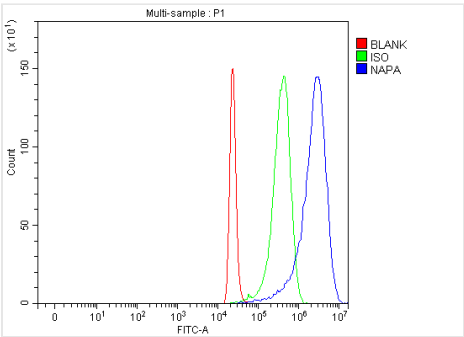
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127279	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Alpha SNAP/NAPA; Polyclonal Antibody; Anti-Alpha SNAP/NAPA Antibody Picoband; Long-chain-fatty-acid--CoA ligase 5; Sodium- and chloride-dependent GABA transporter 1; GAT-1; Solute carrier family 6 member 1; SLC6A1; GABATR; GABT1; GAT1; anti-AlphaSNAP/NAPA antibody

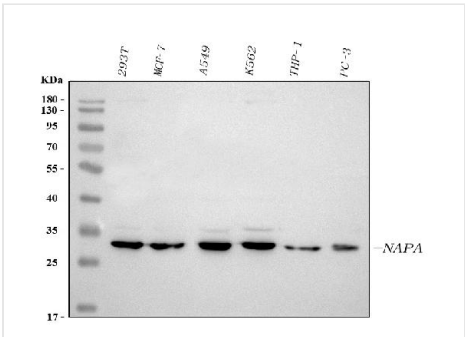
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in many tissues, highest levels in skeletal muscle.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-AlphaSNAP/NAPA antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Alpha SNAP/NAPA, which shares 95.7% amino acid (aa) sequence identity with mouse and rat NAPA.
Subcellular Localization	Cell membrane, Multi-pass membrane protein. Membrane, Multi-pass membrane protein. Localized at the plasma membrane and in a subset of intracellular vesicles. Localized at the presynaptic terminals of interneurons (By similarity).
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	Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals.
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 293T cells using anti-Alpha SNAP/NAPA antibody (AAA127279).Overlay histogram showing 293T cells stained with AAA127279 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Alpha SNAP/NAPA Antibody (AAA127279, 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of Alpha SNAP/NAPA using anti-Alpha SNAP/NAPA antibody (AAA127279).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 293T whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human A549 whole cell lysates,Lane 4: human K562 whole cell lysates,Lane 5: human THP-1 whole cell lysates,Lane 6: human PC-3 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-Alpha SNAP/NAPA antigen affinity purified polyclonal antibody (#AAA127279) 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 Alpha SNAP/NAPA at approximately 33 kDa. The expected band size for Alpha SNAP/NAPA is at 33 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-AlphaSNAP/NAPA 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-AlphaSNAP/NAPA antibody	Primary Antibodies; Neuroscience; Neurotransmitter; Transporters
References	1. Andreeva, A. V., Kutuzov, M. A., Vaiskunaite, R., Profirovic, J., Meigs, T. E., Predescu, S., Malik, A. B., Voyno-Yasenetskaya, T. G-alpha-12 interaction with alpha-SNAP induces VE-cadherin localization at endothelial junctions and regulates barrier function. J. Biol. Chem. 280: 30376-30383, 2005. 2. Bronson, R. T., Lane, P. W. Hydrocephalus with hop gait (hyh): a new mutation on chromosome 7 in the mouse. Dev. Brain Res. 54: 131-136, 1990.3. Chae, T. H., Allen, K. M., Davisson, M. T., Sweet, H. O., Walsh, C. A. Mapping of the mouse hyh gene to a YAC/BAC contig on proximal chromosome 7. Mammalian Genome 13: 239-244, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47933379
NCBI GeneID	8775
NCBI Accession #	NP_003818.2
NCBI GenBank Nucleotide #	NM_003827.3
UniProt Accession #	P54920; Q96IK3; Q9BVJ3; A8K879
Molecular Weight	33,233 Da
NCBI Official Full Name	alpha-soluble NSF attachment protein
NCBI Official Synonym Full Names	N-ethylmaleimide-sensitive factor attachment protein, alpha
NCBI Official Symbol	NAPA

NCBI Official Synonym Symbols	SNAPA
NCBI Protein Information	alpha-soluble NSF attachment protein; alpha-SNAP
UniProt Protein Name	Alpha-soluble NSF attachment protein
UniProt Gene Name	NAPA
UniProt Synonym Gene Names	SNAPA; SNAP-alpha
UniProt Entry Name	SNAA_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://www.aaabiotech.com/polyclonal/alpha-snap-napa-antibody-flow-cytometry-western-blot-elisa/127279>