

Rabbit anti-Human SNAP23 Polyclonal Antibody | anti-SNAP23 antibody

Anti-SNAP23 Antibody, Rabbit Polyclonal

CATALOG # AAA256461	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

SNAP23; Polyclonal Antibody; Anti-SNAP23 Antibody; Rabbit Polyclonal; SNAP23 Antibody; Rabbit PAb; Antigen Affinity Purified; synaptosome associated protein 23kDa; Anti-HsT17016 Antibody; Anti-SNAP-23 Antibody; Anti-SNAP23A Antibody; Anti-SNAP23B Antibody; anti-SNAP23 antibody

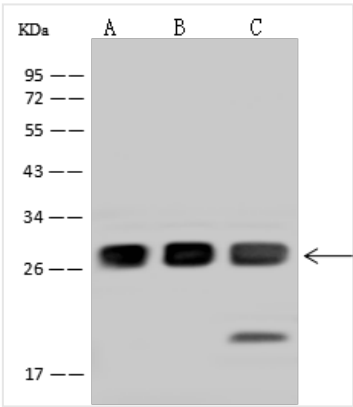
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SNAP23
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SNAP23 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human SNAP23 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SNAP23 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

SNAP23 was immunoprecipitated using: Lane A: 0.5 mg HEK293 Whole Cell Lysate, 4 μ L anti-SNAP23 rabbit polyclonal antibody and 60 μ g of immunomagnetic beads Protein A/G. Primary antibody: Anti-SNAP23 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 26 kDa.



WB (Western Blot)

Anti-SNAP23 rabbit polyclonal antibody at 1:500 dilution. Lane A: HEK293 Whole Cell Lysate. Lane B: Jurkat Whole Cell Lysate. Lane C: U-251 MG Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 27 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNAP23 antibody	Synaptosome-associated 23-kDa protein (SNAP23) is a widely expressed isoform of SNAP25, the principal t-SNARE of neuronal cells, and colocalizes with syntaxin4 in the plasma membrane of 3T3-L1 adipocytes. SNAP23, a soluble N-ethyl-maleimide sensitive fusion protein attachment protein receptor (SNARE) molecule, is essential for secretory granule fusion in several cell lines. SNAP23 is expressed abundantly in human skeletal muscle. Its established role is to mediate insulin-stimulated docking and fusion of glucose transporter 4 (GLUT4) with the plasma membrane. The t-SNARE protein SNAP23 conventionally functions as a component of the cellular machinery required for intracellular transport vesicle fusion with target membranes and has been implicated in the regulation of fasting glucose levels, BMI, and type 2 diabetes.
References	Strauss JA, et al. (2016) Immunofluorescence microscopy of snap23 in human skeletal muscle reveals colocalization with plasma membrane, lipid droplets, and mitochondria. <i>Physiol Rep</i> 4 (1): e12662. Kunii M, et al. (2016) Opposing roles for snap23 in secretion in exocrine and endocrine pancreatic cells. <i>J Cell Biol</i> 215 (1): 121-138. Kawanishi M, et al. (2000) Role of snap23 in insulin-induced translocation of glut4 in 3t3-l1 adipocytes. Mediation of complex formation between syntaxin4 and vamp2. <i>J Biol Chem</i> 275 (11): 8240-8247. Feng D, et al. (2018) Snap23 regulates bax-dependent adipocyte programmed cell death independently of canonical macroautophagy. <i>J Clin Invest</i> 128 (9): 3941-3956.

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.