

Product datasheet for **AP21296PU-N**

SNAP23 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Peptide ELISA: Limit Dilution: 1/8000. Western blot: 0.1-0.3 µg/ml. This antibody detects a band of ~26kDa Human Placenta lysates. Immunohistochemistry on Paraffin Sections: 3.75 µg/ml.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_003816.2 and NP_570710.1.
Specificity:	This antibody is expected to recognize both reported isoforms (NP_003816.2 and NP_570710.1).
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	synaptosome associated protein 23kDa
Database Link:	Entrez Gene 20619 Mouse Entrez Gene 64630 Rat Entrez Gene 8773 Human O00161



[View online »](#)

Background:

Synaptosomal-associated proteins (SNAPs) are cytosolic proteins that play a key role in the process of membrane fusion in intracellular vesicle trafficking. In eukaryotic cells, the SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) complex is critical to membrane docking and fusion and is believed to impart some degree of specificity between vesicle SNARE (v-SNARE) and target organelle SNARE (t-SNARE). In neurons and neuroendocrine cells, the SNARE complex consists of the integral membrane proteins VAMP (vesicle-associated membrane protein), syntaxin and SNAP-25. In non-neuronal tissue, a SNAP-25 homolog, SNAP-23, functionally replaces SNAP-25 in the SNARE complex. Studies show that VAMP, syntaxin and SNAP-23 are required for SNARE function and that this complex exists as a heterotrimer of the three proteins. In insulin signalling pathways, studies suggest that the translocation of GLUT4 in adipocytes requires that functional SNAP-23 be present in SNARE complexes.

Synonyms:

SNAP-23

Note:

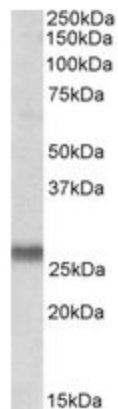
Calculated Molecular Weight: 23.4kDa (NP_003816.2)

Protein Families:

Druggable Genome

Protein Pathways:

SNARE interactions in vesicular transport

Product images:

SNAP23 antibody staining of Human Placenta lysate at 0.1ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.