

SNAP 29

Cat.No. 111 303; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 IP: not tested yet ICC: 1 : 500 (see remarks) IHC: yes IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 257 from rat SNAP29 (UniProt Id: Q9Z2P6)
Reactivity	Reacts with: human (O95721), rat (Q9Z2P6), mouse (Q9ERB0), hamster. Other species not tested yet.
Specificity	Specific for SNAP 29. (K.O. verified)
Remarks	ICC/ IHC: Methanol fixation gives stronger signals.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

SNAP 29, also known as **GS 32**, is an ubiquitously distributed relative of SNAP 25 and SNAP 23 that is ubiquitously distributed among intracellular membranes and that is also found in the cytosol of mammalian cells. As a Q-SNARE it forms SNARE complexes in vitro but its precise role in intracellular membrane traffic is not known.

Selected References SY SY Antibodies

Quantitative proteomic and genetic analyses of the schizophrenia susceptibility factor dysbindin identify novel roles of the biogenesis of lysosome-related organelles complex 1.
Gokhale A, Larimore J, Werner E, So L, Moreno-De-Luca A, Lese-Martin C, Lupashin VV, Smith Y, Faundez V
The Journal of neuroscience : the official journal of the Society for Neuroscience (2012) 32(11): 3697-711. **WB**

Dynamics of the mouse brain cortical synaptic proteome during postnatal brain development.
Gonzalez-Lozano MA, Klemmer P, Gebuis T, Hassan C, van Nierop P, van Kesteren RE, Smit AB, Li KW
Scientific reports (2016) 6: 35456. **WB**

The SNARE protein vti1a functions in dense-core vesicle biogenesis.
Walter AM, Kurps J, de Wit H, Schöning S, Toft-Bertelsen TL, Lauks J, Ziomkiewicz I, Weiss AN, Schulz A, Fischer von Mollard G, Verhage M, et al.
The EMBO journal (2014) 33(15): 1681-97. **WB; tested species: mouse**

Selected General References

A SNARE complex mediating fusion of late endosomes defines conserved properties of SNARE structure and function.
Antonin W, Holroyd C, Fasshauer D, Pabst S, Von Mollard GF, Jahn R
The EMBO journal (2000) 19(23): 6453-64.

Selective interaction of complexin with the neuronal SNARE complex. Determination of the binding regions.
Pabst S, Hazzard JW, Antonin W, Südhof TC, Jahn R, Rizo J, Fasshauer D
The Journal of biological chemistry (2000) 275(26): 19808-18.

GS32, a novel Golgi SNARE of 32 kDa, interacts preferentially with syntaxin 6.
Wong SH, Xu Y, Zhang T, Griffiths G, Lowe SL, Subramaniam VN, Seow KT, Hong W
Molecular biology of the cell (1999) 10(1): 119-34.

Membrane fusion and exocytosis.
Jahn R, Südhof TC
Annual review of biochemistry (1999) 68: 863-911.

Three novel proteins of the syntaxin/SNAP-25 family.
Steegmaier M, Yang B, Yoo JS, Huang B, Shen M, Yu S, Luo Y, Scheller RH
The Journal of biological chemistry (1998) 273(51): 34171-9.