

## SNAP 29

**Cat.No. 111 302; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)**

### Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H <sub>2</sub> O, then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> yes <b>ICC:</b> 1 : 500 (see remarks) <b>IHC:</b> not recommended <b>IHC-P/FFPE:</b> 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	<b>ICC:</b> The affinity purified antibody is highly recommended. 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 SYSY Antibodies

Composition of isolated synaptic boutons reveals the amounts of vesicle trafficking proteins.  
Wilhelm BG, Mandad S, Truckenbrodt S, Kröhnert K, Schäfer C, Rammner B, Koo SJ, Claßen GA, Krauss M, Haucke V, Urlaub H, et al.  
Science (New York, N.Y.) (2014) 344(6187): 1023-8. **WB; tested species: rat**

### 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.