

GOSR 1

Cat.No. 179 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	200 µl antiserum, lyophilized. For reconstitution add 200 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 100 up to 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 2 to 155 from rat GOSR1 (UniProt Id: Q62931)
Reactivity	Reacts with: human (O95249), rat (Q62931), mouse (O88630). Other species not tested yet.
Specificity matching control	Specific for GOSR 1. 179-OP

**TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

GOSR 1 also known as **GOS 28** and **GS 28** is a 28 kDa membrane protein on the surface of the Golgi compartment. It has been shown to serve as a vSNARE in ER to Golgi transport.

In co-immunoprecipitation studies GOSR 1 was identified as a member of a SNARE complex consisting of syntaxin 5, membrin (GS 27 GOSR 2, GOS 27), rbet1 and rsec22. A more detailed analysis revealed two subcomplexes within this complex. One contains syntaxin 5 (mainly the shorter 35 kDa variant) and GOSR 1 whereas the other is composed of syntaxin 5 (35 and 42 kDa variant), membrin, rsec22 and rbet1.

It has been suggested that these complexes mediate the fusion of ER-derived vesicles with vesicular tubular clusters (VTC), and the fusion of VTCs to form the cis-Golgi compartment.

Selected General References

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