

## GOSR 1

**Cat.No. 179 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)**

### Data Sheet

|                            |   |
|----------------------------|---|
| Reconstitution/<br>Storage | 50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. |
| Applications               | <b>WB:</b> 1 : 1000 (AP staining)<br><b>IP:</b> not tested yet<br><b>ICC:</b> 1 : 100<br><b>IHC:</b> not tested yet<br><b>IHC-P/FFPE:</b> 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).<br>Other species not tested yet.   |
| Specificity                | Specific for GOSR 1.  |
| matching<br>control        | 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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