

## Product datasheet

# Anti-GOSR1 antibody [EP1768Y] ab53288

Recombinant RabMAB

★★★★☆ 1 Abreviews 7 Images

### Overview

<b>Product name</b>	Anti-GOSR1 antibody [EP1768Y]
<b>Description</b>	Rabbit monoclonal [EP1768Y] to GOSR1
<b>Host species</b>	Rabbit
<b>Specificity</b>	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, ICC, Flow Cyt, IHC-P <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human GOSR1 (N terminal). The exact sequence is proprietary.
<b>Positive control</b>	SKBR-3 cell lysate 3T3 cell lysate HeLa cells Human stomach carcinoma
<b>General notes</b>	

Our RabMAB<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab<sup>®</sup> patents](#)

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

This product is a recombinant rabbit monoclonal antibody.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP1768Y
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab53288** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/150. <b>For unpurified use at 1/50 - 1/100.</b>
WB	★★★★☆	1/1000. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa). <b>For unpurified use at 1/250 - 1/500.</b>
ICC		1/50 - 1/100.
Flow Cyt		1/120. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. <b>For unpurified use at 1/30.</b>
IHC-P		1/100. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.

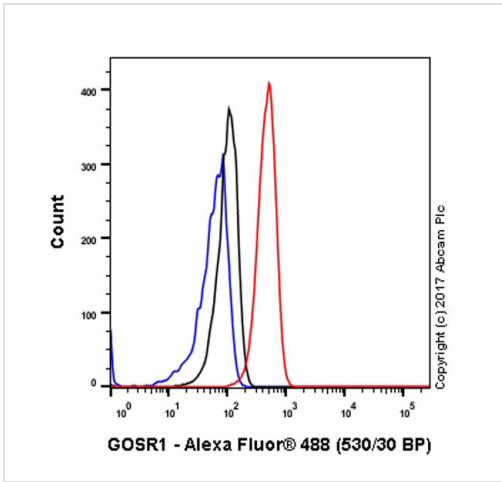
**Application notes** Is unsuitable for IP.

## Target

**Relevance** GOSR1 is a trafficking membrane protein which transports proteins among the endoplasmic reticulum and the Golgi and between Golgi compartments; it is considered an essential component of the Golgi SNAP receptor (SNARE) complex.

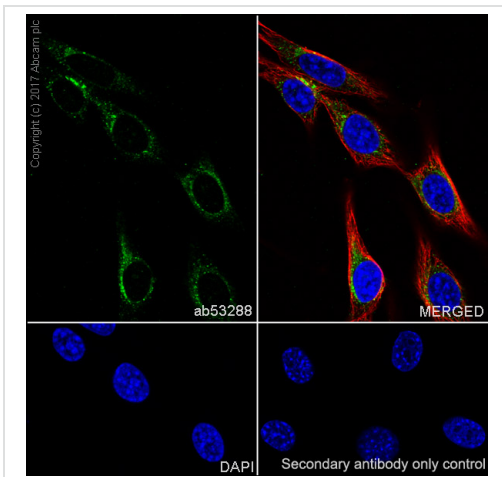
**Cellular localization** Cell Membrane, Endoplasmic reticulum and Golgi Apparatus

## Images



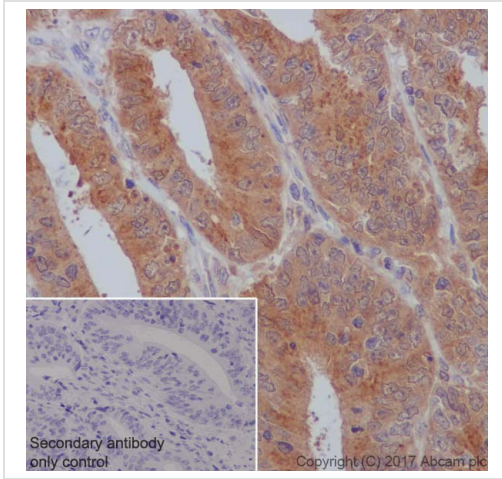
Flow Cytometry - Anti-GOSR1 antibody [EP1768Y] (ab53288)

Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling GOSR1 with purified ab53288 at 1:120 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



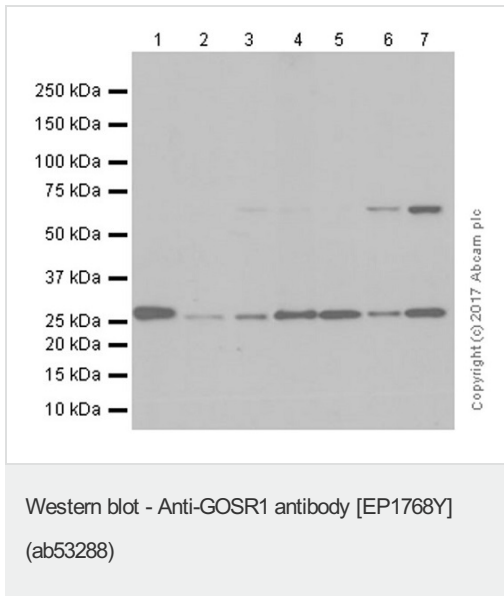
Immunocytochemistry/ Immunofluorescence - Anti-GOSR1 antibody [EP1768Y] (ab53288)

Immunocytochemistry/ Immunofluorescence analysis of NIH/3T3 (Mouse embryonic fibroblast) cells labeling GOSR1 with Purified ab53288 at 1:150 dilution. Cells were fixed in 100% Methanol. Cells were counterstained with None. ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GOSR1 antibody [EP1768Y] (ab53288)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue sections labeling GOSR1 with Purified ab53288 at 1:100 dilution (12.3 µg/ml). Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



**All lanes :** Anti-GOSR1 antibody [EP1768Y] (ab53288) at 1/1000 dilution (purified)

**Lane 1 :** SK-BR-3 (Human breast adenocarcinoma epithelial cell) whole cell lysates

**Lane 2 :** NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates

**Lane 3 :** Neuro-2a (Mouse neuroblastoma neuroblast) whole cell lysates

**Lane 4 :** PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates

**Lane 5 :** C6 (Rat glial tumor glial cell) whole cell lysates

**Lane 6 :** SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

**Lane 7 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 20 µg per lane.

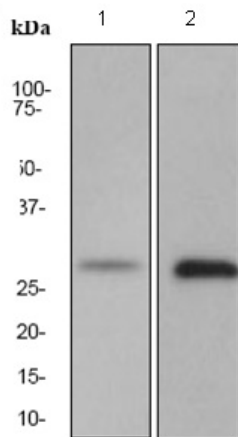
**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 29 kDa

**Observed band size:** 29 kDa

Blocking and diluting buffer: 5% NFD/MTBST



Western blot - GOSR1 antibody [EP1768Y] (ab53288)

**All lanes :** Anti-GOSR1 antibody [EP1768Y] (ab53288) at 1/500 dilution (unpurified)

**Lane 1 :** SKBR-3 cell lysate

**Lane 2 :** 3T3 cell lysate

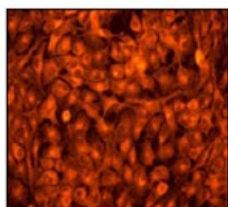
Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

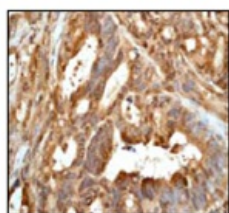
**Predicted band size:** 29 kDa

**Observed band size:** 29 kDa



Immunocytochemistry/ Immunofluorescence - Anti-GOSR1 antibody [EP1768Y] (ab53288)

HeLa cells stained with unpurified ab53288 at 1/50 - 1/100 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GOSR1 antibody [EP1768Y] (ab53288)

Human stomach carcinoma staining with unpurified ab53288 at 1/100 - 1/250 dilution

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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