

Rabbit anti-Human, Mouse GS28 Polyclonal Antibody | anti-GS28 antibody

GS28 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322533	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GS28; Polyclonal Antibody; GS28 Antibody; 28 kDa cis Golgi SNARE p28; 28 kDa Golgi SNARE protein; cis-golgi SNARE; golgi integral membrane protein 2; Golgi SNAP receptor complex member 1; Golgi SNARE 28 kDa; GOLIM2; GOS28; GOS28/P28; GOSR1; GS25; Gs28; P28; anti-GS28 antibody

PRODUCT SPECIFICATIONS

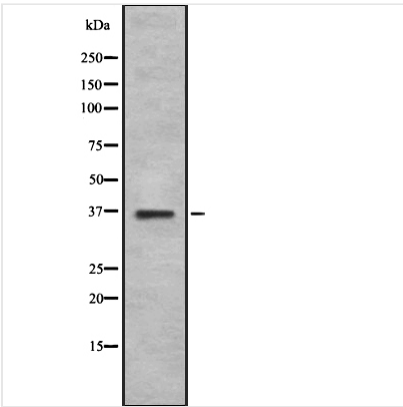
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GS28 antibody detects endogenous levels of total GS28
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	185
Applicable Applications for anti-GS28 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GS28
Subcellular Location	Cell Membrane, Endoplasmic Reticulum and Golgi Apparatus
Tissue Specificity	Expression induced by hydrogen peroxide in neuronal cells. By monocrotaline in pulmonary epithelial cells (at protein level). Negatively regulated by OSBPL7 via GABARAPL2 leading to degradation on proteasomes (at protein level).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322533 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis GS28 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-GS28 antibody

Function: Involved in transport from the ER to the Golgi apparatus as well as in intra-Golgi transport. It belongs to a super-family of proteins called t-SNAREs or soluble NSF (N-ethylmaleimide-sensitive factor) attachment protein receptor. May play a protective role against hydrogen peroxide induced cytotoxicity under glutathione depleted conditions in neuronal cells by regulating the intracellular ROS levels via inhibition of p38 MAPK (MAPK11, MAPK12, MAPK13 and MAPK14). Participates in docking and fusion stage of ER to cis-Golgi transport. Plays an important physiological role in VLDL-transport vesicle-Golgi fusion and thus in VLDL delivery to the hepatic cis-Golgi.

Subunit Structure: Component of several multiprotein Golgi SNARE complexes. Identified in a SNARE complex with BET1, STX5 and YKT6, in a SNARE complex with BET1L, STX5 and YKT6, in a SNARE complex with STX5, GOSR2, SEC22B and BET1, and in complex with STX5 and COG3. Interacts with GABARAPL2 (By similarity).

Similarity: Belongs to the GOSR1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770856
NCBI GeneID	9527
NCBI Accession #	NP_001007025.1
NCBI GenBank Nucleotide #	NM_001007024.1
UniProt Accession #	O95249; O75392; J3KST5
Molecular Weight	Observed: 37 kDa Predicted: 29 kDa
NCBI Official Full Name	Golgi SNAP receptor complex member 1 isoform 3
NCBI Official Synonym Full Names	golgi SNAP receptor complex member 1
NCBI Official Symbol	GOSR1
NCBI Official Synonym Symbols	P28; GS28; GOS28; GOLIM2; GOS-28; GOS28/P28
NCBI Protein Information	Golgi SNAP receptor complex member 1
UniProt Protein Name	Golgi SNAP receptor complex member 1
UniProt Gene Name	GOSR1
UniProt Synonym Gene Names	GS28; GOS-28

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gs28-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322533>