
Product Name: KD-Validated Golgi Integral Membrane Protein 4 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01074**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 81.9kDa

Antigen Information

Gene Name	GOLIM4
Alternative Names	GOLIM4; Golgi Integral Membrane Protein 4; GPP130; GIMPC; Golgi Phosphoprotein 4; GOLPH4; P138; Golgi-Localized Phosphoprotein Of 130 KDa; Golgi Integral Membrane Protein, Cis; Golgi Phosphoprotein Of 130 KDa; Cis Golgi-Localized Calcium-Binding Protein; 130 KDa Golgi-Localized Phosphoprotein; Type II Golgi Membrane Protein; GIMPC
Gene ID	27333.0
SwissProt ID	O00461
Immunogen	A synthesized peptide derived from human GOLPH4

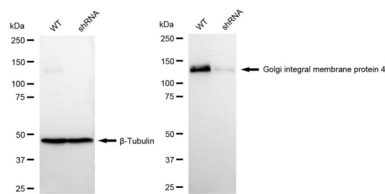
Background

The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a type II Golgi-resident protein. It may process proteins synthesized in the rough endoplasmic reticulum and assist in the transport of protein cargo through the Golgi apparatus. [provided by RefSeq, Jul 2008]

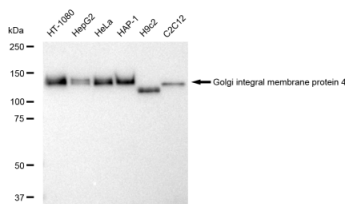
Research Area

Tags & Cell Markers, Signal Transduction

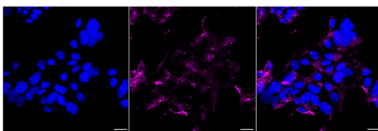
Image Data



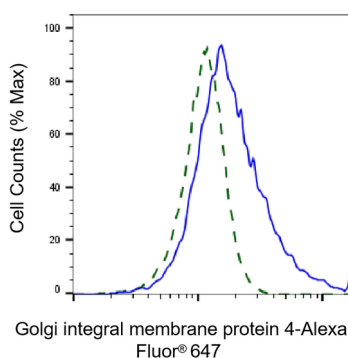
Western blotting analysis using golgi integral membrane protein 4 antibody (KVA01074). Golgi integral membrane protein 4 expression in wild type (WT) and golgi integral membrane protein 4 (GOLIM4) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with golgi integral membrane protein 4 antibody (KVA01074, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



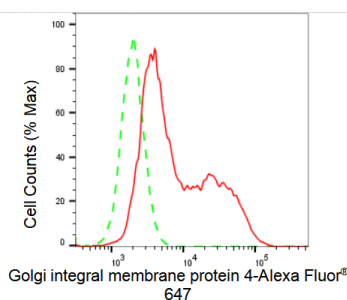
Western blotting analysis using Golgi integral membrane protein 4 antibody (KVA01074). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Golgi integral membrane protein 4 antibody (KVA01074, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with golgi integral membrane protein 4 antibody (KVA01074, 1:1,000). Nuclei were stained blue with DAPI; Golgi integral membrane protein 4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Validation of Golgi integral membrane protein 4 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Golgi integral membrane protein 4 antibody (KVA01074, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Golgi integral membrane protein 4 expression in HAP-1 cells using Golgi integral membrane protein 4 antibody (KVA01074, 1:2,000). Green, isotype control; red, Golgi integral membrane protein 4.

