
Product Name: KD-Validated GOLPH3 Mouse Monoclonal Antibody**Catalog #: KVA01873**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.8kDa

Antigen Information

Gene Name	GOLPH3 GOLPH3; Golgi Phosphoprotein 3; GPP34; MIDAS; GOPP1; Vps74; Golgi Peripheral
Alternative Names	Membrane Protein 1, 34 KDa; Mitochondrial DNA Absence Factor; Golgi-Associated Protein; Coat Protein GPP34; Golgi Protein; Coat-Protein; Golgi Phosphoprotein 3 (Coat-Protein)
Gene ID	64083.0
SwissProt ID	Q9H4A6
Immunogen	Purified protein of human GOLPH3

Background

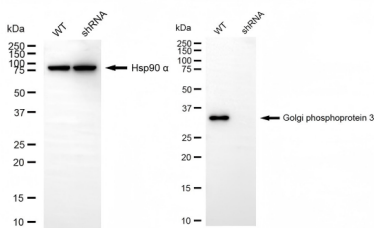
The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. The protein encoded by this gene is a peripheral membrane protein of the Golgi stack and may have a regulatory role in Golgi

trafficking. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined. [provided by RefSeq, Jul 2008]

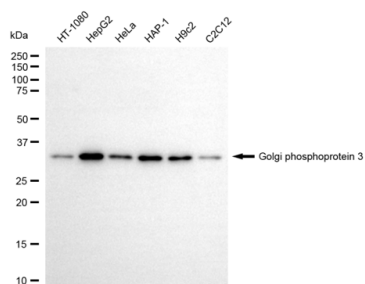
Research Area

Tags & Cell Markers, Signal Transduction

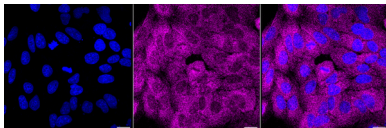
Image Data



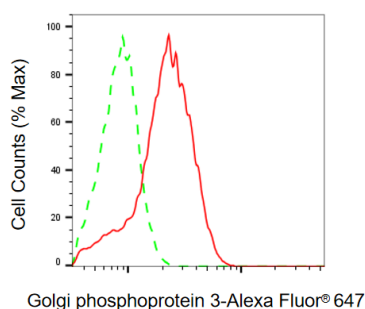
Western blotting analysis using golgi phosphoprotein 3 antibody (KVA01873). Golgi phosphoprotein 3 expression in wild-type (WT) and golgi phosphoprotein 3 (GOLPH3) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with golgi phosphoprotein 3 antibody (KVA01873, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using golgi phosphoprotein 3 antibody (KVA01873). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with golgi phosphoprotein 3 antibody (KVA01873, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Golgi phosphoprotein 3 antibody (KVA01873, 1:1,000). Nuclei were stained blue with DAPI; Golgi phosphoprotein 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Golgi phosphoprotein 3 expression in HepG2 cells using Golgi phosphoprotein 3 antibody (KVA01873, 1:2,000). Green, isotype control; red, Golgi phosphoprotein 3.