
Product Name: KD-Validated Golgin A2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01075

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 113.1kDa

Antigen Information

Gene Name	GOLGA2 GOLGA2; Golgin A2; GM130; Golgin-95; Golgi Autoantigen, Golgin Subfamily A, 2; 130 KDa
Alternative Names	Cis-Golgi Matrix Protein; Golgin Subfamily A Member 2; Golgi Matrix Protein GM130; GM130 Autoantigen; SY11 Protein; GOLGIN-95; DEDHMB
Gene ID	2801.0
SwissProt ID	Q08379
Immunogen	A synthesized peptide derived from human GM130

Background

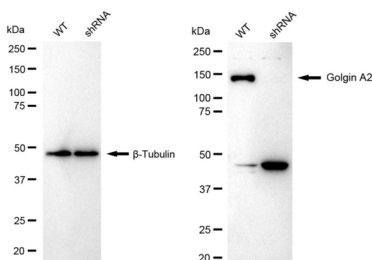
The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be

important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein has been postulated to play roles in the stacking of Golgi cisternae and in vesicular transport. 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, Feb 2010]

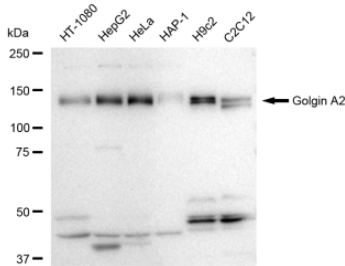
Research Area

Tags & Cell Markers, Signal Transduction

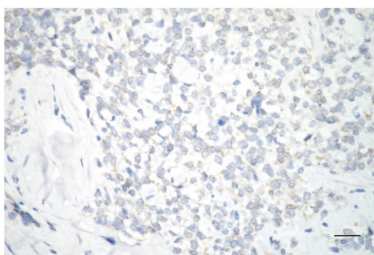
Image Data



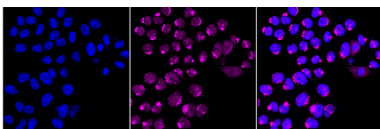
Western blotting analysis using Golgin A2 antibody (KVA01075). Golgin A2 expression in wild type (WT) and Golgin A2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Golgin A2 antibody (KVA01075, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



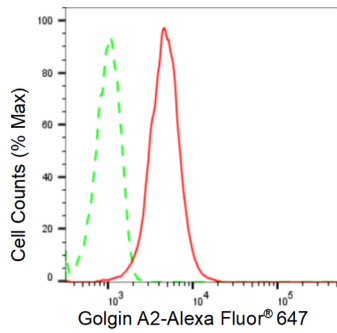
Western blotting analysis using Golgin A2 antibody (KVA01075). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Golgin A2 antibody (KVA01075, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using golgin A2 antibody (KVA01075, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HepG2 cells with Golgin A2 antibody (KVA01075, 1:1,000). Nuclei were stained blue with DAPI; Golgin A2 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.



Flow cytometric analysis of Golgin A2 expression in HepG2 cells using Golgin A2 antibody (KVA01075, 1:2,000). Green, isotype control; red, Golgin A2.