

Rabbit anti-Human GM130 Monoclonal Antibody | anti-GOLGA2 antibody

GM130 Rabbit mAb

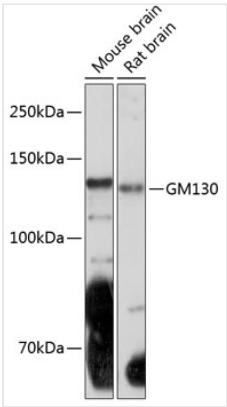
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28456	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

GM130; Monoclonal Antibody; GM130 Rabbit mAb; DEDHMB; anti-GOLGA2 antibody

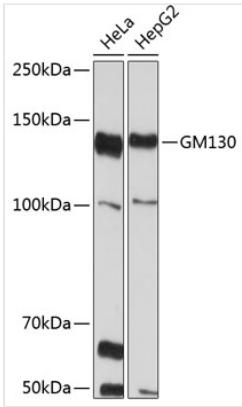
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MWPQRLPPR PAMSEETRQS KLAAAKKKLR EYQQRNSPGV PTGAKKKKKI KNKSNPETTT SGGCHSPEDT PKDNAATLQP SDDTVLPGGV PSPGASLTSM
Applicable Applications for anti-GOLGA2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:1000-1:6000 IHC-P: 1:200-1:2000 IF/ICC: 1:100-1:2000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human GM130 (Q08379).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



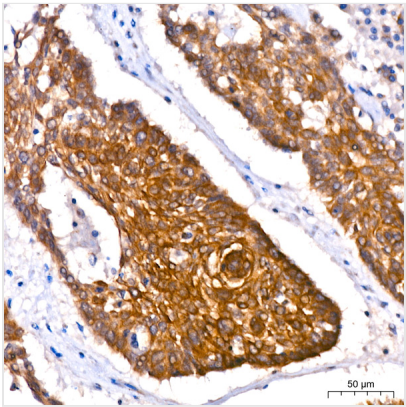
WB (Western Blot)

Western blot analysis of various lysates using GM130 Rabbit mAb (AAA28456) at 1?1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3min.



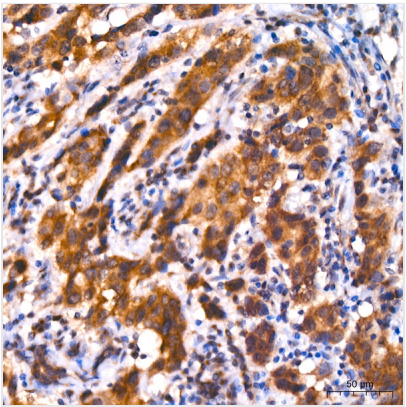
WB (Western Blot)

Western blot analysis of various lysates using GM130 Rabbit mAb (AAA28456) at 1?1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



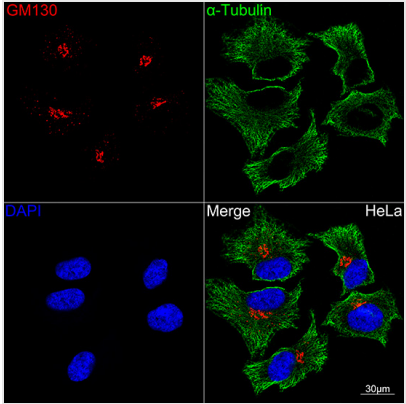
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using GM130 Rabbit mAb (AAA28456) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



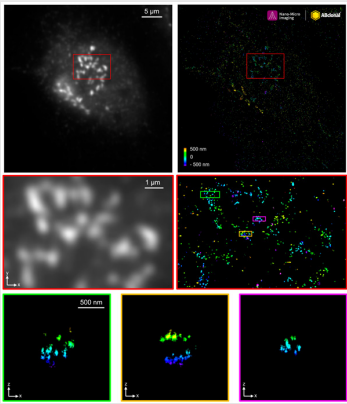
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using GM130 Rabbit mAb (AAA28456) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



ICC (Immunocytochemistry)

Confocal imaging of HeLa cells using GM130 Rabbit mAb (AAA28456, dilution 1:100) (Red). The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Application Data

The STORM super-resolution (SR) imaging of U-2 OS cells using GM130 Rabbit mAb (AAA28456, ABclonal) at dilution of 1:200 with 3% paraformaldehyde (PFA) +0.1% glutaraldehyde (GA) fixation. The immunostaining was performed by Full Automatic Immunofluorescence Workflow System (Workflow Ultra300, Nano-Micro imaging, China). Image was performed with Single-Molecule Localization Super-Resolution Microscopy (STORM Ultra300, Nano-Micro imaging, China). We acknowledge Nano-Micro imaging Biotechnology Co., Ltd. in SR image processing and kindly providing this image.

ADDITIONAL INFORMATION

Related Product Information for anti-GOLGA2 antibody	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.
Product Categories/Family for anti-GOLGA2 antibody	Signal Transduction; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097392
NCBI GeneID	2801
NCBI Accession #	NP_004477.3
NCBI GenBank Nucleotide #	NM_004486.4
UniProt Accession #	Q08379; Q6GRM9; Q9BRB0; Q9NYF9; A0A0C4DGS5
Molecular Weight	Calculated MW: 113kDa Observed MW: 130kDa
UniProt Protein Name	Golgin subfamily A member 2
UniProt Gene Name	GOLGA2
UniProt Synonym Gene Names	GM1301 PublicationManual assertion based on opinion iniRef.1

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.