



# GM130 Polyclonal Antibody

<b>Catalog No</b>	BYab-16300
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	GOLGA2
<b>Protein Name</b>	GM130
<b>Immunogen</b>	Synthesized peptide derived from human GM130
<b>Specificity</b>	This antibody detects endogenous levels of human GM130
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Golgin subfamily A member 2 (130 kDa cis-Golgi matrix protein;GM130;GM130 autoantigen;Golgin-95)
<b>Observed Band</b>	112-130kD
<b>Cell Pathway</b>	Golgi apparatus, cis-Golgi network membrane ; Peripheral membrane protein ; Cytoplasmic side . Endoplasmic reticulum-Golgi intermediate compartment membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytoskeleton, spindle pole . Associates with the mitotic spindle during mitosis (PubMed:26165940) . .
<b>Tissue Specificity</b>	Brain,Cervix,Colon adenocarcinoma,Epithelium,Heart,Hepatocyte,Liver,Placenta,Thymus,
<b>Function</b>	domain:Extended rod-like protein with coiled-coil domains.,function:Golgi auto-antigen; probably involved in maintaining cis-Golgi structure.,sequence caution:Sequence differs from that shown after position 814 due to an internal deletion.,similarity:Belongs to the GOLGA2 family.,subunit:Part of a larger oligomeric complex. Interacts with p115 (By similarity). Interacts with RAB1B that has been activated by GTP-binding. Interacts with GORASP1/GRASP65 and ZFPL1.,

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**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],

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**matters needing attention**

Avoid repeated freezing and thawing!

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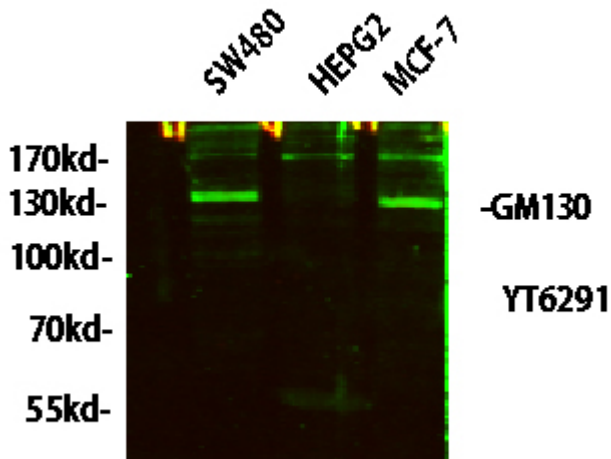
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

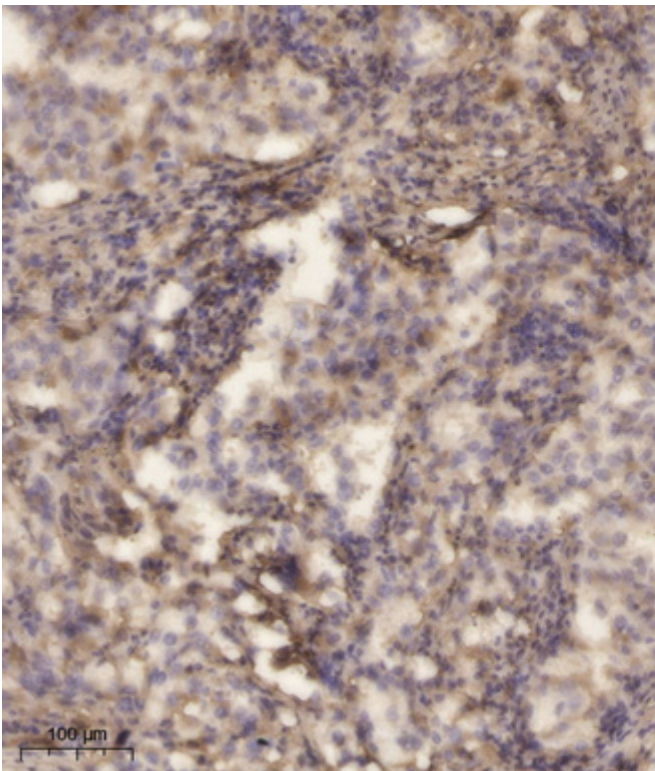
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## Products Images



Western blot analysis of lysates from HT-29, NIH/3T3, and HepG2 cells, primary antibody was diluted at 1:1000, 4° overnight, secondary antibody(cat: RS23920)was diluted at 1:10000, 37° 1hour.



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).