Product datasheet

Anti-GM130/GOLGA2 Antibody

Catalog Number: *A05865-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-GM130/GOLGA2 Antibody
Gene Name	GOLGA2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, IP, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human GM130 recombinant protein (Position: E796-E913).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	130 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 ImmunoPrecipitation (IP): 1:200-300 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Golgin subfamily A member 2 is a protein that in humans is encoded by the GOLGA2 gene. 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.

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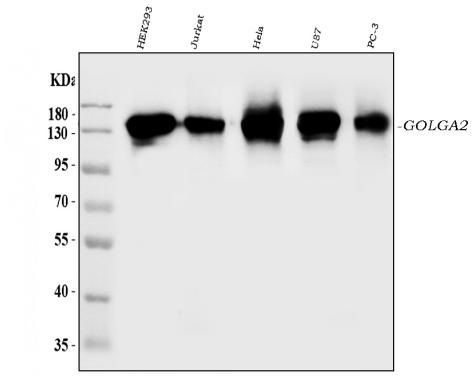
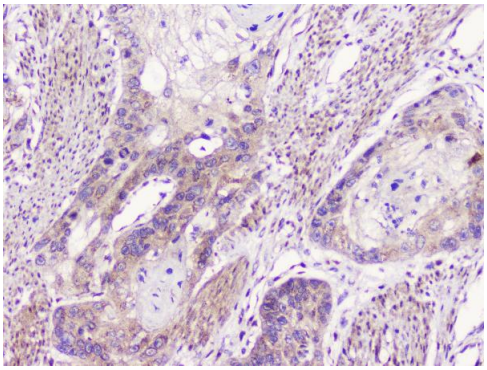
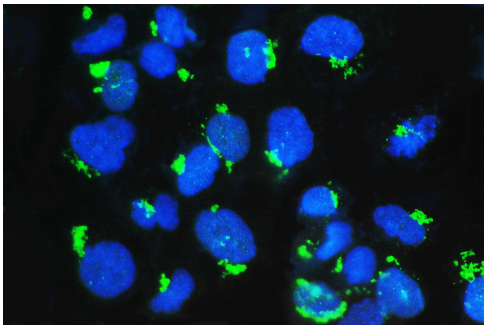
Selected Validation Data



Western blot analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (A05865-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HEK293 whole cell lysates,
Lane 2: human Jurkat whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human U87 whole cell lysates,
Lane 5: human PC-3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GM130/GOLGA2 antigen affinity purified polyclonal antibody (A05865-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GM130/GOLGA2 at approximately 130 kDa. The expected band size for GM130/GOLGA2 is at 113 kDa.



IHC analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (A05865-1).
GM130/GOLGA2 was detected in a paraffin-embedded section of human oesophagus squama cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-GM130/GOLGA2 Antibody (A05865-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (A05865-1).
GM130/GOLGA2 was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-GM130/GOLGA2 Antibody (A05865-1) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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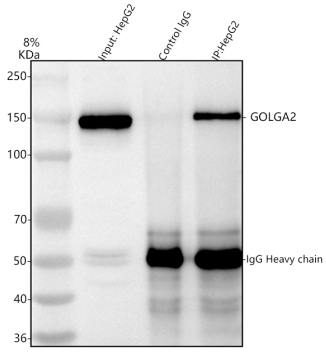
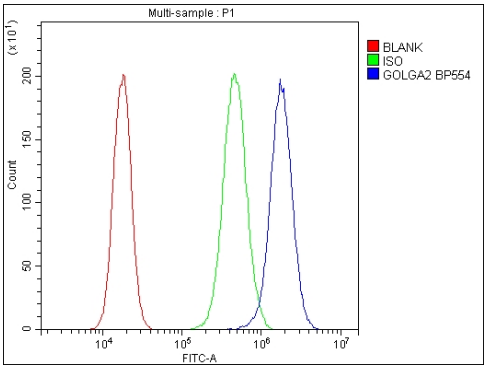


IP analysis of GM130/GOLGA2 using anti-GM130/GOLGA2 antibody (A05865-1) in U251 whole cell lysate.
Western blot analysis of GM130/GOLGA2 using anti- GM130/GOLGA2 antibody (A05865-1).
Lane 1: HepG2 whole cell lysates(30ug),
Lane 2: Rabbit control IgG instead of anti- GM130/GOLGA2 antibody in HepG2 whole cell lysate,
Lane 3: anti- GM130/GOLGA2 antibody (2µg) + HepG2 whole cell lysate (500µg).
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti- GM130/GOLGA2 antigen affinity purified polyclonal antibody (A05865-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GM130/GOLGA2 at approximately 150 kDa. The expected band size for GM130/GOLGA2 is at 113 kDa.



Flow Cytometry analysis of PC-3 cells using anti- GM130 antibody (A05865-1).
Overlay histogram showing PC-3 cells stained with A05865-1 (Blue line). anti-GM130 Antibody (A05865-1, 1:100) for 30 min at 20°C. DyLight488 conjugated goat anti-rabbit IgG (BA1127, 1:100) was used as secondary antibody . Isotype control antibody (Green line) was rabbit IgG (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.