

# Product Datasheet

## 58K Golgi Protein Antibody

### NB100-1448

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-1448**

## 58K Golgi Protein Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

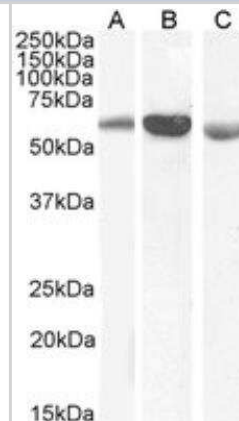
Product Description	
Host	Goat
Gene ID	10841
Gene Symbol	FTCD
Species	Human, Mouse, Porcine
Marker	Golgi Apparatus Marker
Specificity/Sensitivity	Variants (NP_006648.1; NP_996848.1) encode the same protein.
Immunogen	This 58K Golgi Protein Antibody was developed against a peptide with sequence CLREQGRGKDQPGRL corresponding to internal region according to NP_006648.1, NP_996848.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:64000
Application Notes	ICC/IF usage is validated and reported in scientific literature (PMID: 16534631).

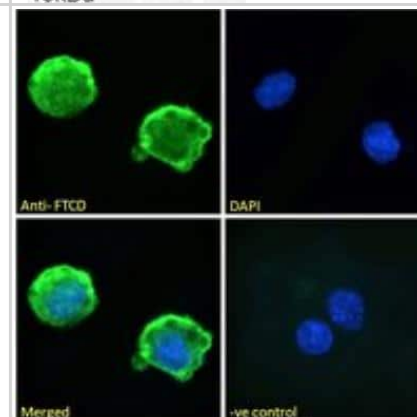


## Images

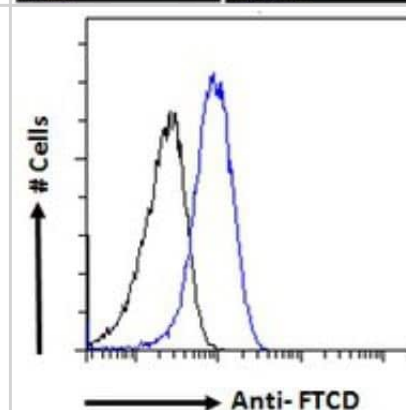
Western Blot: 58K Golgi Protein Antibody [NB100-1448] - Staining of liver lysates (A) Human with antibody at 0.1 ug/mL, Mouse (B) and Pig (C) with antibody at 0.03 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



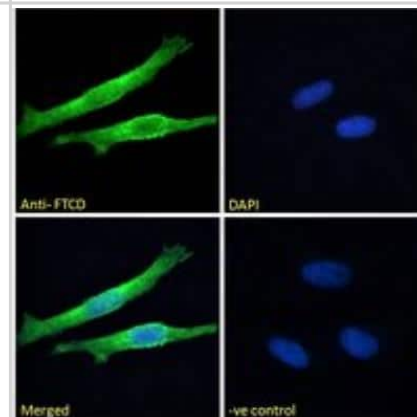
Immunocytochemistry/Immunofluorescence: 58K Golgi Protein Antibody [NB100-1448] - Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Flow Cytometry: 58K Golgi Protein Antibody [NB100-1448] - Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: 58K Golgi Protein Antibody [NB100-1448] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



## Publications

Bloom GS, Brashear TA. A novel 58-kDa protein associates with the Golgi apparatus and microtubules. *J Biol Chem* 1989-09-25 [PMID: 2777777]

Hagiwara H, Tajika Y, Matsuzaki T et al. Localization of Golgi 58K protein (formiminotransferase cyclodeaminase) to the centrosome. *Histochem Cell Biol*. 2006-08-01 [PMID: 16534631] (ICC/IF)

### Details:

Product cited: 58K Golgi protein (IMG-3369). IF/ICC: Staining of centrosomes in squamous carcinoma cell line derived from human tongue (HSC-4 cells), Fig 5.





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### **Products Related to NB100-1448**

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NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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