

# Product Datasheet

## IFT88 Antibody NB100-2475

Unit Size: 0.1 mg

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

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**NB100-2475**

## IFT88 Antibody

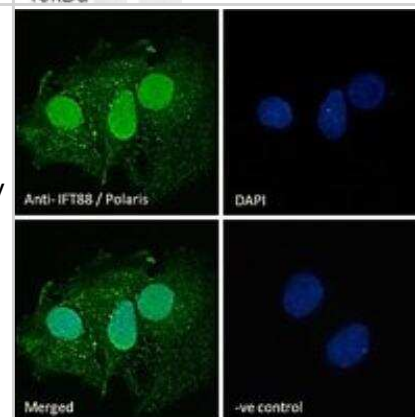
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	8100
Gene Symbol	IFT88
Species	Human, Mouse
Reactivity Notes	ICC/IF successful usage for Mouse nose and lungs is reported in scientific literature (PMID: 19470799).
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_783195.2; NP_006522.2)
Immunogen	Peptide with sequence C-KKRIDEDDFADEE corresponding to C-Terminus according to NP_006522.2.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/uL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Frozen, Peptide ELISA Detection limit 1:128000
Application Notes	Use in IHC-Frozen reported in scientific literature (PMID: 19208653). WB: Preliminary experiments in human kidney, liver and lung lysates gave no specific signal but low background. Immunofluorescence: This antibody has been successfully used in IF on Mouse Olfactory and Respiratory Epithelium cells

## Images

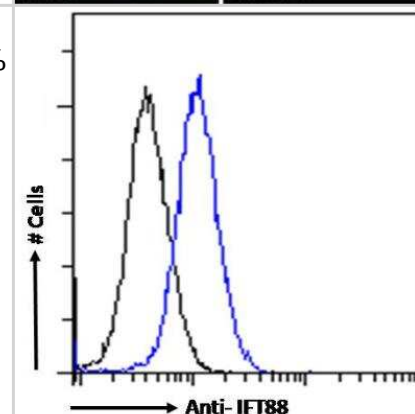
Western Blot: IFT88 Antibody [NB100-2475] - Staining of A549 (A) cell lysate and Mouse Testes (B) lysate (35 ug protein in RIPA buffer). Antibody at 3 ug/mL. Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: IFT88 Antibody [NB100-2475] - 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 nuclear and cytoplasmic 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: IFT88 Antibody [NB100-2475] - 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.



## Publications

Macaluso FP, Perumal GS, Kolstrup J, Satir P. CLEM Methods for Studying Primary Cilia. Methods Mol. Biol. 2016-08-12 [PMID: 27514923]

Vogel G. News focus: Betting on cilia. Science 2005-10-14 [PMID: 16223997]

Jiang ST, Chiou YY, Wang E et al. Essential role of nephrocystin in photoreceptor intraflagellar transport in mouse. Hum Mol Genet 2009-05-01 [PMID: 19208653] (IHC-Fr, Mouse)

Miyoshi K, Kasahara K, Miyazaki I et al. Pericentrin, a centrosomal protein related to microcephalic primordial dwarfism, is required for olfactory cilia assembly in mice. FASEB J 2009-10-01 [PMID: 19470799]



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### **Products Related to NB100-2475**

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
H00008100-Q01-10ug	Recombinant Human IFT88 GST (N-Term) Protein

### **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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