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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07088 - Goat Anti-IFT88 / Polaris Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: IFT88, polaris, TTC10, tetratricopeptide repeat domain 10, HGNC:20606, D13S1056E, DAF19, IFT88, MGC26259, RP11-172H24.2, TG737, hTg737, TPR repeat protein 10, Probe hTg737 (polycystic kidney disease, autosomal recessive), Tg737 protein, intraflagellar transport 88 homolog, recessive polycystic kidney disease protein Tg737 homolog, intraflagellar transport 88 homolog (Chlamydomonas)

Official Symbol: IFT88

Accession Number(s): NP_783195.2; NP_006522.2, NP_001340507.1; NP_001340498.1

Human GeneID(s): [8100](#)

Non-Human GeneID(s): 21821 (mouse), 305918 (rat)

Important Comments: This antibody is expected to recognise many reported isoforms.

Immunogen

Peptide with sequence C-KKRIDEDDFADEE, from the C Terminus of the protein sequence according to NP_783195.2; NP_006522.2, NP_001340507.1; NP_001340498.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx. 80kDa band observed in lysates of cell lines THP-1, K562 and KNRK and 85kDa in lysates of cell line U251 (calculated MW of 94.3kDa according to Human NP_783195.2) and 93.1kDa according to Rat XP_006252128.1). These bands were successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A549 and HepG2 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of THP-1 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific Reference

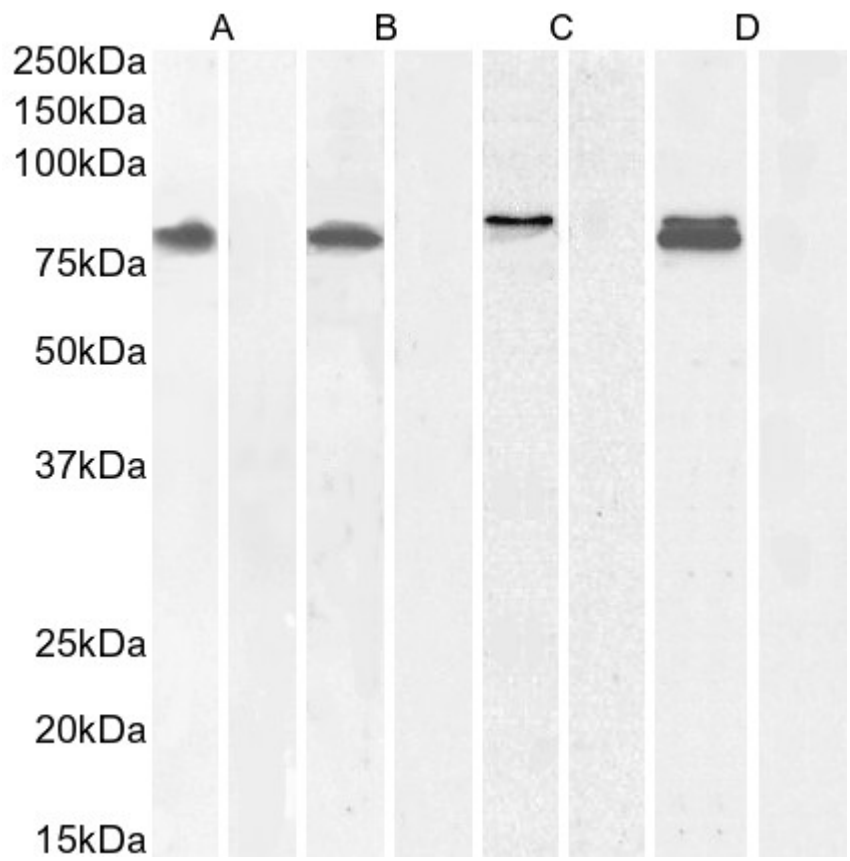
This antibody (previous batch) has been successfully used in IF on Mouse:

Miyoshi K, Kasahara K, Miyazaki I, Shimizu S, Taniguchi M, Matsuzaki S, Tohyama M, Asanuma M.

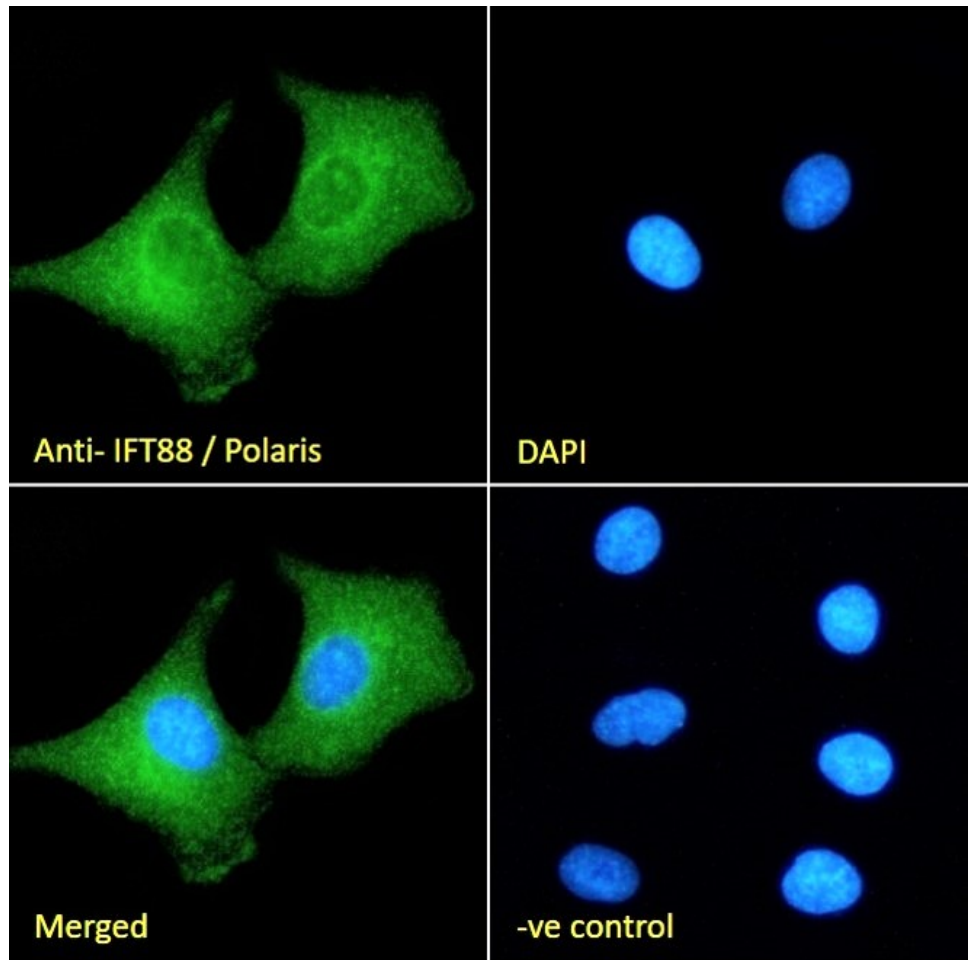
Pericentrin, a centrosomal protein related to microcephalic primordial dwarfism, is required for olfactory cilia assembly in mice.

FASEB J. 2009 Oct;23(10):3289-97.

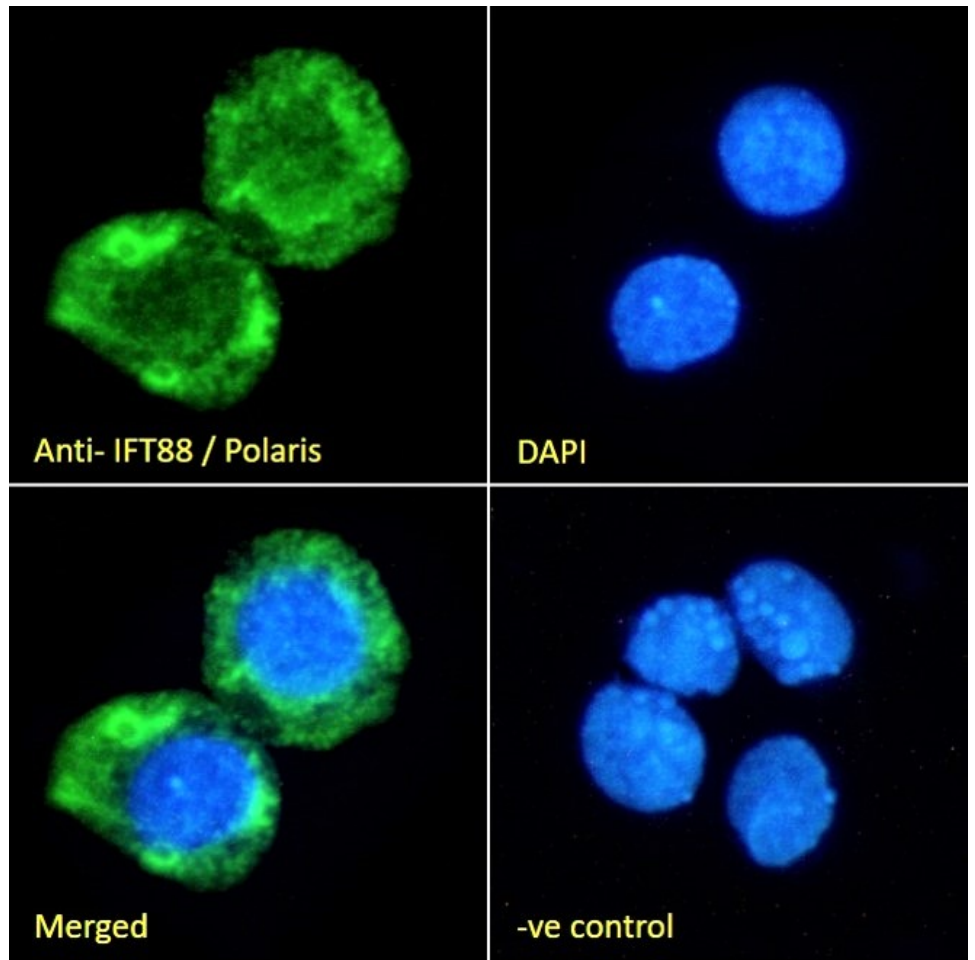
PMID: 19470799



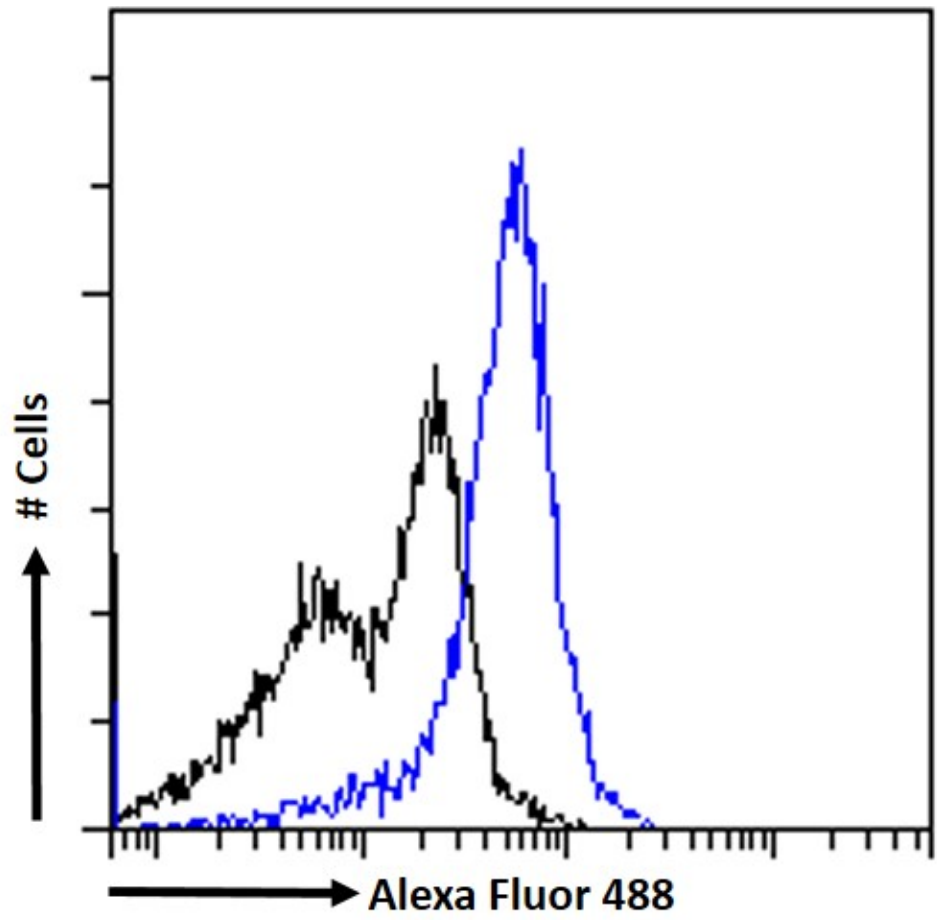
EB07088 (2 μ g/ml) staining of K562 (A), and (3 μ g/ml) THP-1 (B), U251 (C) and KNRK (D) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB07088 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07088 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07088 Flow cytometric analysis of paraformaldehyde fixed THP-1 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.