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

EB06339 - Goat Anti-CMG1 / CCDC2 / IFT74 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: IFT74, CCDC2, CMG-1, FLJ22621, MGC111562, intraflagellar transport 74 homolog (Chlamydomonas), capillary morphogenesis protein 1, coiled-coil domain containing 2, CMG1

Official Symbol: IFT74

Accession Number(s): NP_001092692.1; NP_001092693.1; NP_079379.2; AAK77221.1

Human GeneID(s): [80173](#)

Non-Human GeneID(s): 313365 (rat)

Immunogen

Peptide with sequence C-KTIVDALHSTSGN, from the C Terminus of the protein sequence according to NP_001092692.1; NP_001092693.1; NP_079379.2; AAK77221.1.

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 1:32000.

Western blot: Approx 70kDa band observed in lysates of cell line HEK293 (calculated MW of 69.2kDa according to AAK77221.1). The observed molecular weight corresponds to earlier findings in literature (Momeni et al, BMC Neurol. 2006 Dec 13;6:44.; PMID: 17166276). Recommended concentration: 0.2-0.6µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat

Specific Reference

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

Momeni P, Schymick J, Jain S, Cookson MR, Cairns NJ, Greggio E, Greenway MJ, Berger S, Pickering-Brown S, Chiò A, Fung HC, Holtzman DM, Huey ED, Wassermann EM, Adamson J, Hutton ML, Rogaeva E, St George-Hyslop P, Rothstein JD, Hardiman O, Grafman J, Singleton A, Hardy J, Traynor BJ.

Analysis of IFT74 as a candidate gene for chromosome 9p-linked ALS-FTD.

BMC Neurol. 2006 Dec 13;6:44

PMID: 17166276

EB06339 (0.2µg/ml) staining of HEK293 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.