

### **International Office**

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# EB06339-B - Goat Anti-CMG1 / CCDC2 / IFT74, Biotinylated 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 GenelD(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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB06339 (0.2μg/ml) staining of HEK293 lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitue for skimmed milk.