

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4457a**Specification**

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	O96LB3
Other Accession	NP_001092692.1 , NP_001092693.1 , NP_079379.2 , AAK77221.1
Reactivity	Human, Rat
Host	Goat
Clonality	Polyclonal
Calculated MW	69239

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody - Additional Information**Gene ID** 80173**Other Names**

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

Format

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.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody - Protein Information**Name** IFT74**Synonyms** CCDC2, CMG1**Function**

Component of the intraflagellar transport (IFT) complex B: together with IFT81, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium (PubMed:23990561). Binds beta-tubulin via its basic region (PubMed:23990561). Required for

ciliogenesis (PubMed:23990561). Essential for flagellogenesis during spermatogenesis (PubMed:33689014).

Cellular Location

Cell projection, cilium. Cytoplasmic vesicle. Cell projection, cilium, flagellum. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q8BKE9}. Note=Localizes along primary cilia at interphase and around the basal body/centriole at interphase and mitosis (PubMed:15024030). In male germ cells, strongly expressed in the vesicles of spermatocytes and round spermatids and also in the acrosome and centrosome regions of elongating spermatids and in developing sperm tails (By similarity). {ECO:0000250|UniProtKB:Q8BKE9, ECO:0000269|PubMed:15024030}

Tissue Location

Highly expressed in adult and fetal kidney and expressed at lower level in adult heart, placenta, lung, liver and pancreas, and in fetal heart, lung and liver. Little to no expression was detected in adult brain and skeletal muscle or in fetal brain, thymus and spleen (PubMed:11683410). Detected in sperm (at protein level) (PubMed:33689014).

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat anti-CMG1 / CCDC2 / IFT74, Biotinylated Antibody - Images