IFT74 Conjugated Antibody

Catalog No: #C37493

Package Size: #C37493-AF350 100ul #C37493-AF405 100ul #C37493-AF488 100ul #C37493-AF555 100ul #C37493-AF594 100ul #C37493-AF647 100ul #C37493-AF680 100ul #C37493-AF750 100ul #C37493-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	IFT74 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total IFT74 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human intraflagellar transport 74 homolog (Chlamydomonas)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CMG1; CCDC2; CMG-1
Accession No.	Swiss-Prot#:Q96LB3NCBI Gene ID:80173NCBI mRNA#:NCBI Protein#:NP_110409
Uniprot	Q96LB3
GeneID	80173;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	69
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Capillary morphogenesis protein 1 (CMG1), also known as intraflagellar transport protein 74 (ITP74) or coiled-coil domain-containing protein 2 (CCDC2), is a 600 amino acid human homologue of IFT-71, a complex B protein supporting intraflagellar transport (IFT) in Chlamydomonas. CMG1 localizes to the cytoplasmic vesicle and is highly expressed in adult and fetal kidney and testis, with lower levels of expression in adult heart, placenta, lung, liver and pancreas, and in fetal heart, lung and liver. CMG1 has been suggested to have a role in the primary cilia of HUVEC, and it also functions as a transcriptional regulator of cyclin D2 in spermatocyte-derived cells.

Note: This product is for in vitro research use only