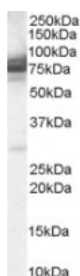


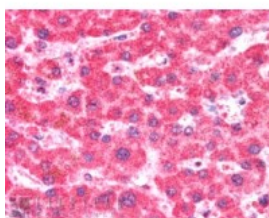


CMG1 Antibody

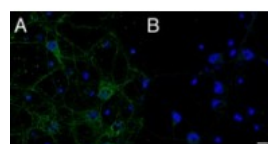
CATALOG NUMBER: 45-408



Western Blot staining (0.3ug/ml) of 293 lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (5ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Figure 2:
Immunohistochemistry (2.5mg/ml) staining of primary rat cortical neurons showed localization of IFT74 to vesicles in the cell body and



Immunofluorescence A) antibody (2.5mg/ml) staining of primary rat cortical neurons showed localization of IFT74 to vesicles in the cell body and along the neuronal processes. B) Control. (Data were kindly provided by Dr. Bryan Traynor.)

Specifications

SPECIES REACTIVITY:	Human, Rat
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:16000. Western Blot: Approx 70-75kDa band observed in lysates of cell line HEK293 (calculated MW of 69.2kDa according to AAK77221.1, but 51.4kDa according to NP_079379.1). The observed molecular weight corresponds to earlier findings in literature with different Immunohistochemistry: In paraffin embedded Human Liver shows vesicular staining in cytoplasm of hepatocytes. Recommended concentration, 5-10ug/ml. Immunofluorescence: EB06339 was successfully used at 2.5mg/ml to stain rat cortical neurons (see picture and PMID: 17166276).
POSITIVE CONTROL:	1) Cat. No. 1210 - 293 Cell Lysate 2) Cat. No. 1304 - Human Liver Tissue Lysate
IMMUNOGEN:	CMG1 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of CMG1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	CMG1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	CMG1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	IFT74, CCDC2, CMG1, CMG-1, FLJ22621, MGC111562, intraflagellar transport 74 homolog (Chlamydomonas), capillary morphogenesis protein 1, coiled-coil domain containing 2
ACCESSION NO.:	NP_079379.1, AAK77221.1
PROTEIN GI NO.:	13376669
OFFICIAL SYMBOL:	IFT74
GENE ID:	80173

Background

REFERENCES:	1) Bell SE, Mavila A, Salazar R, Bayless KJ, Kanagala S, Maxwell SA, Davis GE. Differential gene expression during capillary morphogenesis in 3D collagen matrices: regulated expression of genes involved in basement membrane matrix assembly, cell cycle progression, cellular differentiation and G-protein signaling. J Cell Sci. 2001 Aug;114(Pt 15):2755-73.
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FOR RESEARCH USE ONLY

December 13, 2016