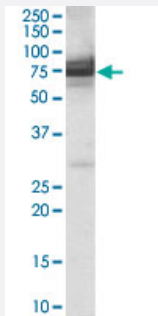


IFT74 polyclonal antibody

Catalog # PAB6611

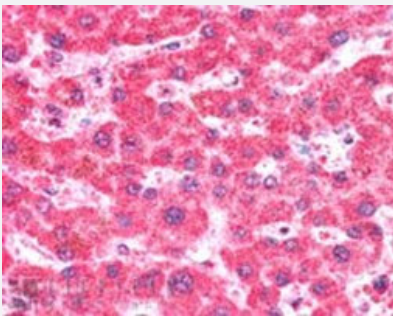
Size 100 ug

Applications



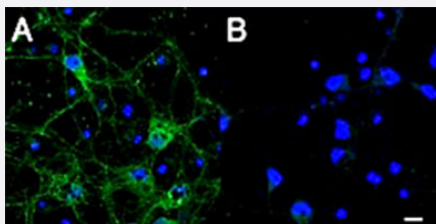
Western Blot (Cell lysate)

IFT74 polyclonal antibody (Cat # PAB6611) staining (0.3 ug/mL) of 293 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

IFT74 polyclonal antibody (Cat # PAB6611, 5 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Data were kindly provided by Dr. Bryan Traynor.



Immunofluorescence

A) IFT74 polyclonal antibody (Cat # PAB6611) (2.5 mg/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. See Application Notes!)

Specification

Product Description

Goat polyclonal antibody raised against synthetic peptide of IFT74.

Immunogen

A synthetic peptide corresponding to C-terminus of human IFT74.

Sequence	C-KTVDALHSTSGN
Host	Goat
Theoretical MW (kDa)	69.2, 51.4
Reactivity	Human, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western blot (0.3-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

IFT74 polyclonal antibody (Cat # PAB6611) staining (0.3 ug/mL) of 293 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

IFT74 polyclonal antibody (Cat # PAB6611, 5 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Data were kindly provided by Dr. Bryan Traynor.

- Immunofluorescence

A) IFT74 polyclonal antibody (Cat # PAB6611) (2.5 mg/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. See Application Notes!)

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IFT74

Entrez GeneID	80173
Protein Accession#	NP_079379.1;AAK77221.1
Gene Name	IFT74
Gene Alias	CCDC2, CMG-1, CMG1, FLJ22621, MGC111562
Gene Description	intraflagellar transport 74 homolog (Chlamydomonas)
Omim ID	608040
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000022772 capillary morphogenesis protein 1 coiled-coil domain containing 2

Publication Reference

- [Constitutively-active FGFR3 disrupts primary cilium length and IFT20 trafficking in various chondrocyte models of achondroplasia.](#)

Martin L, Kaci N, Estibals V, Goudin N, Garfa-Traore M, Benoist-Lasselín C, Dambroise E, Legeai-Mallet L.

Human Molecular Genetics 2017 Oct; 27(1):1.

Application: ICC, IF, Mouse, Cultured chondrocytes

- [Analysis of IFT74 as a candidate gene for chromosome 9p-linked ALS-FTD.](#)

Momeni P, Schymick J, Jain S, Cookson MR, Cairns NJ, Greggio E, Greenway MJ, Berger S, Pickering-Brown S, Chio 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.

BMC Neurology 2006 Dec; 6:44.

Application: IF, WB-Ti, Human, Rat, Human brain soluble extracts, Rat cortical neurons