

IFT46 Rabbit pAb

IFT46 Rabbit pAb
Catalog # AP56042

Product Information

Application	WB
Primary Accession	Q9NQC8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34286
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IFT46
Epitope Specificity	101-200/304
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton, cilium basal body (By similarity). Cell projection, cilium (By similarity). Note=Expression is concentrated at the cilium basal body but is also detected along the length of the cilium (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IFT46 is a 304 amino acid protein that belongs to the IFT46 family. IFT46 localizes to the cilium basal body but can also be found along the length of the cilium and is a part of a complex involved in intraflagellar transport (IFT). In addition, IFT46 is involved in the bi-directional movement of particles that is required for the assembly, maintenance, and functionality of primary cilia. Furthermore, IFT46 may be involved in skeletogenesis and chondrocyte maturation. Two isoforms exist due to alternate splicing events and the gene encoding IFT46 maps to human chromosome 11. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

Additional Information

Gene ID	56912
Other Names	Intraflagellar transport protein 46 homolog, IFT46, C11orf2, C11orf60
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

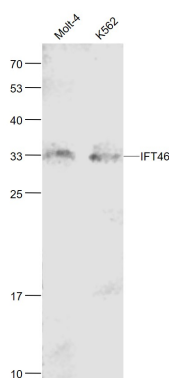
Protein Information

Name	IFT46
Synonyms	C11orf2, C11orf60
Function	Forms part of a complex involved in intraflagellar transport (IFT), the bi-directional movement of particles required for the assembly, maintenance and functioning of primary cilia. May play a role in chondrocyte maturation and skeletogenesis (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium. Note=Expression is concentrated at the cilium basal body but is also detected along the length of the cilium.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
Molt-4(Human) Cell Lysate at 30 ug
K562(Human) Cell Lysate at 30 ug
Primary: Anti-IFT46 (AP56042) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.