

**IFT46 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56042****Specification**

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**IFT46 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O9NQC8</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IFT46
Epitope Specificity	101-200/304
Isotype	IgG
<b>Purity</b>	
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).
SIMILARITY	Belongs to the IFT46 family.
SUBUNIT	Part of the IFT complex B. Interacts with IFT57, IFT88 and DAW1 (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.

**IFT46 Polyclonal Antibody - Additional Information****Gene ID 56912**

**Other Names**

Intraflagellar transport protein 46 homolog, IFT46, C11orf2, C11orf60

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**IFT46 Polyclonal Antibody - 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).

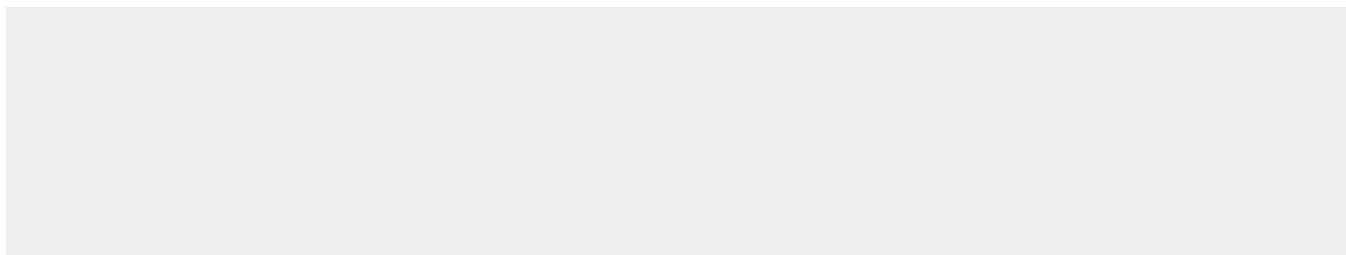
**Cellular Location**

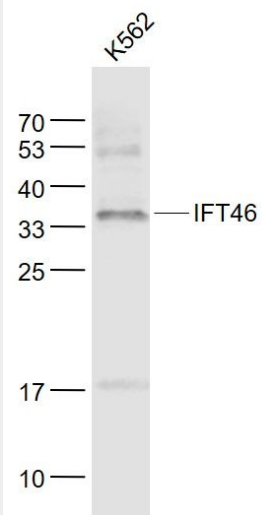
Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium. Note=Expression is concentrated at the cilium basal body but is also detected along the length of the cilium.

**IFT46 Polyclonal 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](#)

**IFT46 Polyclonal Antibody - Images**



**Sample:**

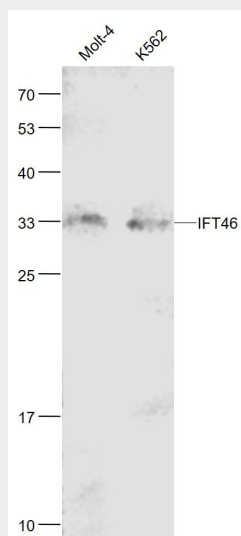
K562(Human) Cell Lysate at 30 ug

Primary: Anti- IFT46 (bs-15563R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kD

Observed band size: 34 kD



**Sample:**

Molt-4(Human) Cell Lysate at 30 ug

K562(Human) Cell Lysate at 30 ug

Primary: Anti-IFT46 (bs-15563R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kD

Observed band size: 34 kD