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[Primary Antibody]

Rabbit Anti-IFT46 antibody

Catalog Number: SL15563R

FOR RESEARCH USE ONLY

[DATASHEET]

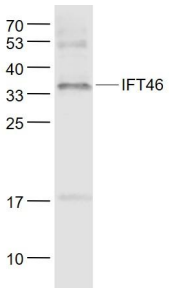
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IFT46
Immunogen:	KLH conjugated synthetic peptide derived from human IFT46: 101-200/304
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	34kDa
Subcellular Location:	cytoplasmic
Background:	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. **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

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

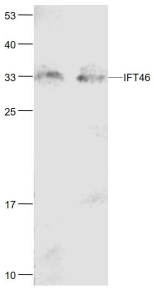
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	maturation and skeletogenesis (By similarity). **Subunit:** Part of the IFT complex B. Interacts with IFT57, IFT88 and DAW1 (By similarity). **Subcellular Location:** Cytoplasm, cytoskeleton, cilium basal body (By similarity). Cell projection, cilium (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. **Database links:** **Entrez Gene:** 56912 Human **SwissProt:** Q9NQC8 Human **Unigene:** 533738 Human

[VALIDATION IMAGES]



Sample:
K562(Human) Cell Lysate at 30 ug
Primary: Anti- IFT46 (SL15563R) 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 (SL15563R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 kD

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