

## Rabbit IFT57 Polyclonal Antibody | anti-IFT57 antibody

IFT57 Antibody

| CATALOG # | HOST   | REACTIVITY             | APPLICATIONS                       |
|-----------|--------|------------------------|------------------------------------|
| AAA322874 | Rabbit | Human, Mouse, Rat, Dog | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

IFT57; Polyclonal Antibody; IFT57 Antibody; CDNA FLJ10147 fis clone HEMBA1003369; Dermal papilla derived protein 8; Dermal papilla-derived protein 8; DERP 8; DERP8; Esrrbl 1; Esrrbl1; ESRRBL1 protein; Estrogen related receptor beta like 1; Estrogen related receptor beta like protein 1; Estrogen-related receptor beta-like protein 1; FLJ10147; Hip1 Interacting protein; HIP1 interacting protein HIPPI; Hip1 protein interactor; HIP1-interacting protein; HIPPI; Huntingtin interacting protein 1 interacting protein; Huntingtin interacting protein 1 protein interactor; IFT 57; ift57; IFT57\_HUMAN; Intraflagellar transport 57 homolog (Chlamydomonas); Intraflagellar transport 57 homolog; Intraflagellar transport protein 57 homolog; MHS4R2; Vestrogen related receptor beta like 1; anti-IFT57 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                         |
| Reactivity                                      | Human, Mouse, Rat, Dog                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                     |
| Isotype                                         | IgG                                                                                                                            |
| Specificity                                     | IFT57 antibody detects endogenous levels of IFT57.                                                                             |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                  |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                  |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                         |
| Sequence Length                                 | 429                                                                                                                            |
| Applicable Applications for anti-IFT57 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                  |
| Immunogen                                       | A synthesized peptide derived from human IFT57.                                                                                |
| Subcellular Location                            | Cytoplasm > Cytoskeleton > Cilium Basal Body. Concentrates within the inner segment of cilia.                                  |
| Tissue Specificity                              | Present in many tissues such as brain, thymus, lymph node, lung, liver, skin and kidney (at protein level).                    |
| Predicted Cross Reactivity                      | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                     |
| Similarity                                      | Pig (100%), Zebrafish (92%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%) |
| Conjugation                                     | Unconjugated                                                                                                                   |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                              |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts of HEK-293 cells, using IFT57 antibody.



**IHC (Immunohistochemistry)**  
AAA322874 at 1/100 staining Human lymph tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-IFT57 antibody</b> | <p>Function: Required for the formation of cilia. Plays an indirect role in sonic hedgehog signaling, cilia being required for all activity of the hedgehog pathway (By similarity). Has pro-apoptotic function via its interaction with HIP1, leading to recruit caspase-8 (CASP8) and trigger apoptosis. Has the ability to bind DNA sequence motif 5'-AAAGACATG-3' present in the promoter of caspase genes such as CASP1, CASP8 and CASP10, suggesting that it may act as a transcription regulator; however the relevance of such function remains unclear.</p> <p>Subunit Structure: Component of the IFT complex B, at least composed of IFT20, IFT22, HSPB11/IFT25, IFT27, IFT46, IFT52, TRAF3IP1/IFT54, IFT57, IFT74, IFT80, IFT81, and IFT88. Interacts with IFT20 and IFT88. Interacts with BLOC1S2 and RYBP. Interacts with HOMER1, possibly preventing pro-apoptotic effects of IFT57 (By similarity). Interacts with HIP1. In normal conditions, it poorly interacts with HIP1, HIP1 being strongly associated with HTT. However, in mutant HTT proteins with a long poly-Gln region, interaction between HTT and HIP1 is inhibited, promoting the interaction between HIP1 and IFT57, leading to apoptosis. Interacts with BFAR. Interacts with chicken anemia virus protein apoptin. Interacts with TTC25 (PubMed:25860617).</p> <p>Similarity: The pseudo DED region (pDED) mediates the interaction with HIP1. Belongs to the IFT57 family.</p> |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 8922256                                     |
| NCBI GeneID                      | 55081                                       |
| NCBI Accession #                 | NP_060480.1                                 |
| NCBI GenBank Nucleotide #        | NM_018010.3                                 |
| UniProt Accession #              | Q9NWB7; Q96DA9                              |
| Molecular Weight                 | Observed: 49 kDa<br>Predicted: 50 kDa       |
| NCBI Official Full Name          | intraflagellar transport protein 57 homolog |
| NCBI Official Synonym Full Names | intraflagellar transport 57                 |
| NCBI Official Symbol             | IFT57                                       |
| NCBI Official Synonym Symbols    | HIPPI; OFD18; MHS4R2; ESRRBL1               |
| NCBI Protein Information         | intraflagellar transport protein 57 homolog |
| UniProt Protein Name             | Intraflagellar transport protein 57 homolog |
| UniProt Gene Name                | IFT57                                       |
| UniProt Synonym Gene Names       | DERP8; ESRRBL1; HIPPI                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.