

**IFT57 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22359c**

**Specification**

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**IFT57 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9NWB7</a>
Other Accession	<a href="#">Q5EA95</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	49108

**IFT57 Antibody (Center) - Additional Information**

**Gene ID** 55081

**Other Names**

Intraflagellar transport protein 57 homolog, Dermal papilla-derived protein 8, Estrogen-related receptor beta-like protein 1, HIP1-interacting protein, MHS4R2, IFT57, DERP8, ESRRBL1, HIPPI

**Target/Specificity**

This IFT57 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 159-193 amino acids from the Central region of human IFT57.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IFT57 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**IFT57 Antibody (Center) - Protein Information**

**Name** IFT57

**Synonyms** DERP8, ESRRBL1, HIPPI

**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.

#### Cellular Location

Cell projection, cilium {ECO:0000250|UniProtKB:Q8BXG3}. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q5EA95}. Note=Concentrates within the inner segment of cilia.

#### Tissue Location

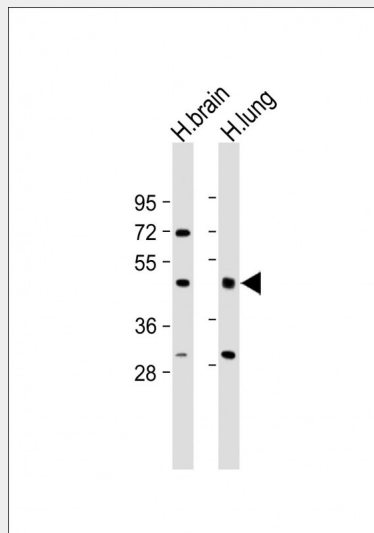
Present in many tissues such as brain, thymus, lymph node, lung, liver, skin and kidney (at protein level)

### IFT57 Antibody (Center) - 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](#)

### IFT57 Antibody (Center) - Images



All lanes : Anti-IFT57 Antibody (Center) at 1:2000 dilution Lane 1: Human brain lysate Lane 2: Human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### IFT57 Antibody (Center) - Background

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#### **IFT57 Antibody (Center) - References**

Gervais F.G.,et al.Nat. Cell Biol. 4:95-105(2002).  
Pasutto F.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.  
Ikeda A.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.