

**IFT57 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12026a****Specification**

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**IFT57 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9NWB7](#)**IFT57 Antibody (N-term) Blocking peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IFT57 Antibody (N-term) Blocking peptide - 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 (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **IFT57 Antibody (N-term) Blocking peptide - Images**

### **IFT57 Antibody (N-term) Blocking peptide - Background**

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### **IFT57 Antibody (N-term) Blocking peptide - References**

Gdynia, G., et al. Apoptosis 13(3):437-447(2008)Majumder, P., et al. Biochem. Biophys. Res. Commun. 353(1):80-85(2007)Banerjee, M., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 62 (PT 12), 1247-1250 (2006) :Majumder, P., et al. Neurobiol. Dis. 22(2):242-256(2006)Fan, Y., et al. Nat. Genet. 36(9):989-993(2004)