

## Product datasheet for **CF500917**

### HIPPI (IFT57) Mouse Monoclonal Antibody [Clone ID: OTI2G3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G3
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:50, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IFT57 (NP_060480) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49.1 kDa
Gene Name:	intraflagellar transport 57
Database Link:	<a href="#">NP_060480</a> <a href="#">Entrez Gene 73916 Mouse</a> <a href="#">Entrez Gene 303968 Rat</a> <a href="#">Entrez Gene 55081 Human</a> <a href="#">Q9NWB7</a>



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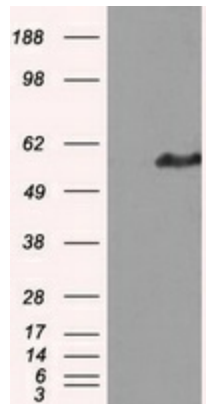
**Background:** Required for the formation of cilia. Plays an indirect role in sonic hedgehog signaling, cilia being required for all activity of the hedgehog pathway (By similarity). Has pro-apoptotic function via its interaction with HIP1, leading to recruit caspase-8 (CASP8) and trigger apoptosis. 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

**Synonyms:** ESRRBL1; HIPPI; MHS4R2

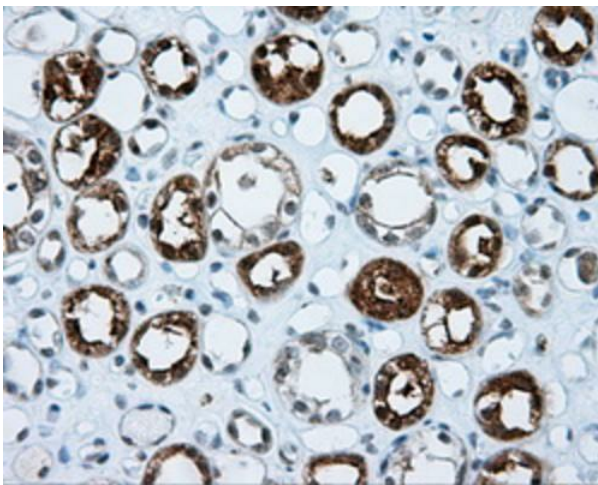
**Protein Families:** Druggable Genome

**Protein Pathways:** Huntington's disease

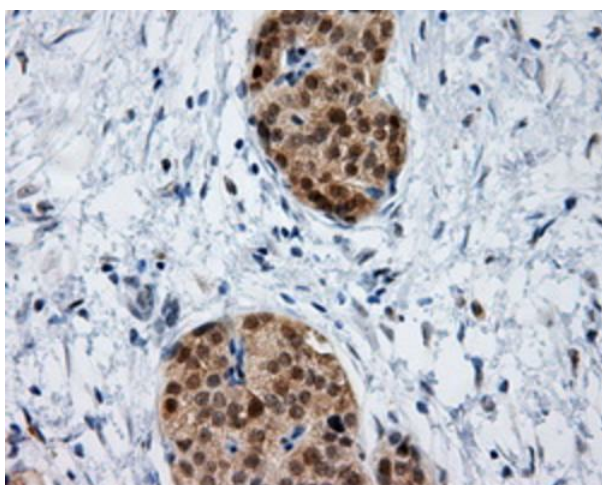
**Product images:**



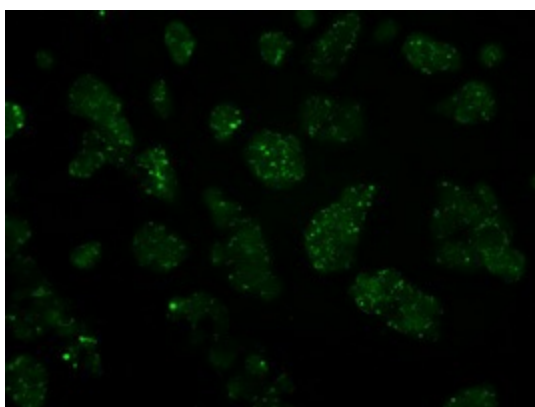
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IFT57 ([RC204116], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IFT57. Positive lysates [LY402637] (100ug) and [LC402637] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-IFT57 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of pancreas tissue using anti-IFT57 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunofluorescent staining of HepG2 cells using anti-IFT57 mouse monoclonal antibody (TA500917).