10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IFT57 / HIPPI Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15149

Specification

IFT57 / HIPPI Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	Q9NWB7
Reactivity	**Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Horse**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**49kDa KDa**

IFT57 / HIPPI Antibody (Internal) - 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
Human IFT57 / HIPPI.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
IFT57 / HIPPI Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

IFT57 / HIPPI Antibody (Internal) - 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)

Volume
100 µl

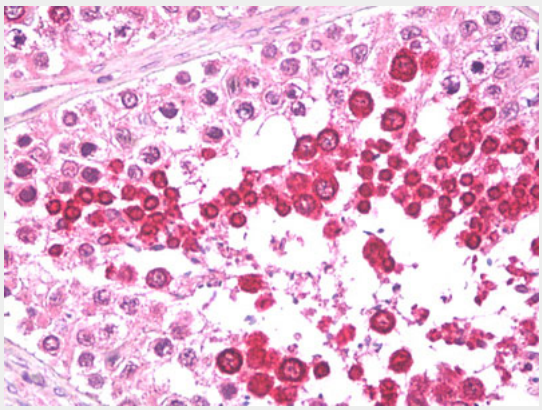
IFT57 / HIPPI Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IFT57 / HIPPI Antibody (Internal) - Images

IFT57 antibody (1 ug/ml) staining of Mouse Brain lysate (35 ug protein/ml in RIPA buffer).



Anti-IFT57 / HIPPI antibody IHC of human testis.

IFT57 / HIPPI Antibody (Internal) - 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.

IFT57 / HIPPI Antibody (Internal) - 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.