

**Goat Anti-HIPPI Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1529a****Specification**

---

**Goat Anti-HIPPI Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9NWB7</a>
Other Accession	<a href="#">NP_060480</a> , <a href="#">55081</a> , <a href="#">73916 (mouse)</a> , <a href="#">303968 (rat)</a>
Reactivity	Human, Mouse
Predicted	Rat
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	49108

**Goat Anti-HIPPI Antibody - 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

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-HIPPI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-HIPPI Antibody - 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.

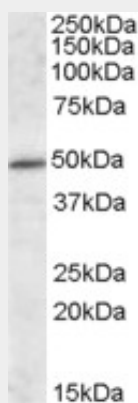
**Tissue Location**

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

**Goat Anti-HIPPI Antibody - 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](#)

**Goat Anti-HIPPI Antibody - Images**

AF1529a (1 µg/ml) staining of Mouse Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-HIPPI Antibody - References**

BLOC1S2 interacts with the HIPPI protein and sensitizes NCH89 glioblastoma cells to apoptosis. Gdynia G, et al. Apoptosis, 2008 Mar. PMID 18188704.  
Interaction of HIPPI with putative promoter sequence of caspase-1 in vitro and in vivo. Majumder P, et al. Biochem Biophys Res Commun, 2007 Feb 2. PMID 17173859.  
Cloning, expression, purification, crystallization and preliminary crystallographic analysis of pseudo death-effector domain of HIPPI, a molecular partner of Huntingtin-interacting protein HIP-1.

Banerjee M, et al. Acta Crystallogr Sect F Struct Biol Cryst Commun, 2006 Dec 1. PMID 17142908.  
Induction of apoptosis in cells expressing exogenous Hip1, a molecular partner of  
huntingtin-interacting protein Hip1. Majumder P, et al. Neurobiol Dis, 2006 May. PMID 16364650.  
Diversification of transcriptional modulation: large-scale identification and characterization of  
putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID  
16344560.