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Goat Anti-HIPPI Antibody

Peptide-affinity purified goat antibody

Catalog # AF1529a

Specification

Goat Anti-HIPPI Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9NWB7
Other Accession	NP_060480, 55081, 73916 (mouse), 303968 (rat)
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 Cytomety
- 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.
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Banerjee M, et al. Acta Crystallogr Sect F Struct Biol Cryst Commun, 2006 Dec 1. PMID 17142908.
Induction of apoptosis in cells expressing exogenous Hippi, 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.