

Product datasheet

Anti-HIPPI/IFT57 antibody ab154601

3 Images

Overview

Product name	Anti-HIPPI/IFT57 antibody
Description	Rabbit polyclonal to HIPPI/IFT57
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human HIPPI/IFT57 aa 227-429. Database link: Q9NWB7
Positive control	293T, A431, H1299, HeLa, HepG2 and Raji whole cell lysates. HeLa cells.
General notes	Keep as concentrated solution. This product was previously labelled as HIPPI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab154601** in the following tested applications.

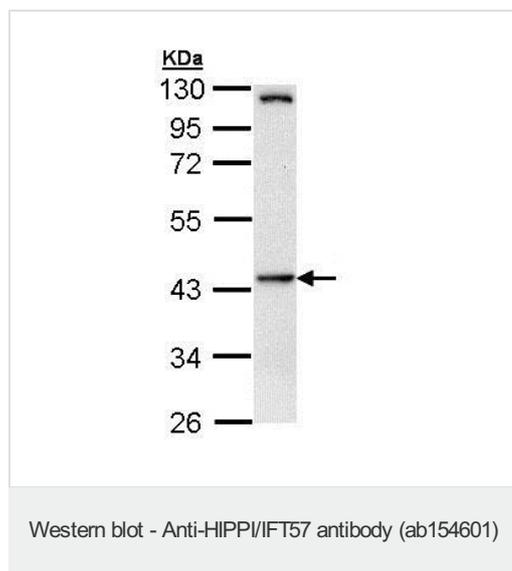
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 49 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

Target

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.
Tissue specificity	Present in many tissues such as brain, thymus, lymph node, lung, liver, skin and kidney (at protein level).
Sequence similarities	Belongs to the IFT57 family.
Domain	The pseudo DED region (pDED) mediates the interaction with HIP1.
Cellular localization	Cytoplasm > cytoskeleton > cilium basal body. Concentrates within the inner segment of cilia.

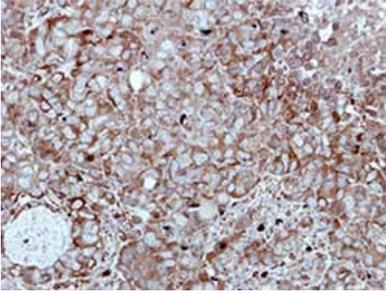
Images



Anti-HIPPI/IFT57 antibody (ab154601) at 1/1000 dilution + Raji whole cell lysate at 30 µg

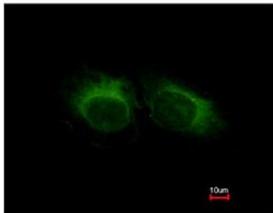
Predicted band size: 49 kDa

10% SDS PAGE

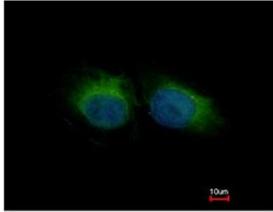


Immunohistochemical analysis of paraffin-embedded H661 xenograft labeling HIPPI/IFT57 with ab154601 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIPPI/IFT57 antibody (ab154601)



Immunofluorescent analysis of methanol-fixed HeLa cells labeling HIPPI/IFT57 with ab154601 at 1/200 dilution. Lower panel co-stained with Hoechst 33342.



Immunocytochemistry/ Immunofluorescence - Anti-HIPPI/IFT57 antibody (ab154601)

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