IFT57 Polyclonal Antibody

Catalog No: #42678

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Description

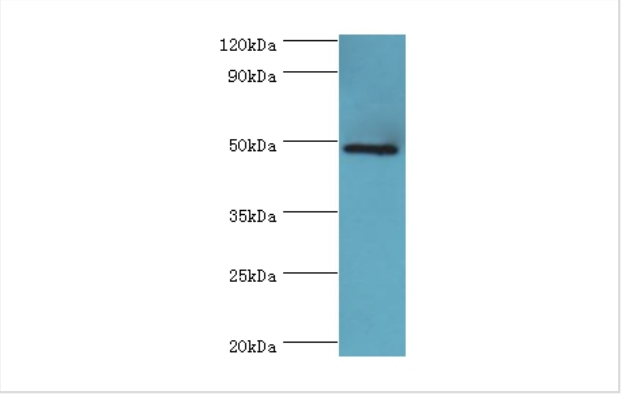
Product Name	IFT57 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total IFT57 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Intraflagellar transport protein 57 homolog protein (170-429aa)
Target Name	IFT57
Other Names	Dermal papilla-derived protein 8, Estrogen-related receptor beta-like protein 1, HIP1-interacting protein, MHS4R2, IFT57, DERP8, ESRRBL1, HIPPI
Accession No.	Swiss-Prot#: Q9NWB7
Uniprot	Q9NWB7
GeneID	55081;
Calculated MW	49kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

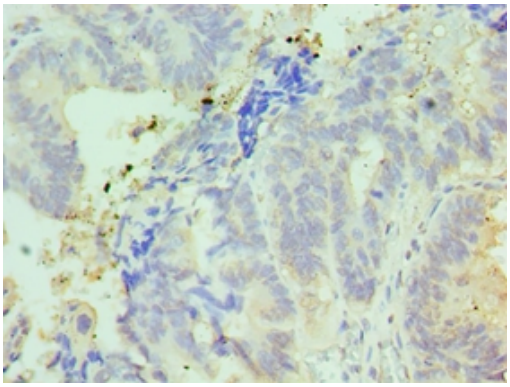
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes:IFT57 antibody at 2ug/ml+mouse lung tissue
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :49kDa
observed band size :49kDa



Immunohistochemical analysis of paraffin-embedded human colon cancer using #42678 at dilution of 1:100.

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.

References

[1]"Interactions of HIPPI, a molecular partner of Huntingtin interacting protein HIP1, with the specific motif present at the putative promoter sequence of the caspase-1, caspase-8 and caspase-10 genes." Majumder P., Choudhury A., Banerjee M., Lahiri A., Bhattacharyya N.P.FEBS J. 274:3886-3899(2007). [2]"Interaction of HIPPI with putative promoter sequence of caspase-1 in vitro and in vivo." Majumder P., Chattopadhyay B., Sukanya S., Ray T., Banerjee M., Mukhopadhyay D., Bhattacharyya N.P.Biochem. Biophys. Res. Commun. 353:80-85(2007). [3]"Homer1c interacts with Hippi and protects striatal neurons from apoptosis."Sakamoto K., Yoshida S., Ikegami K., Minakami R., Kato A., Udo H., Sugiyama H.Biochem. Biophys. Res. Commun. 352:1-5(2007).

Note: This product is for in vitro research use only