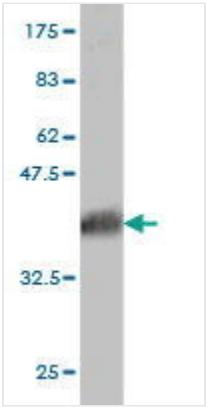
HHIP Antibody – Mouse Monoclonal

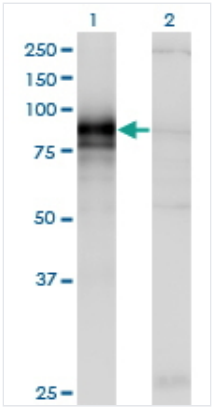
PRODUCT OVERVIEW

Product Name	HHIP, Monoclonal Antibody
Full Product Name	HHIP (Hedgehog-interacting Protein, HHIP, HIP, UNQ5825/PRO19644, FLJ20992, FLJ90230) (PE)
Product Gene Name	anti-HHIP antibody
Product Synonym Names	HHIP
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	5D11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HHIP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recover of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	36,373 Da
OMIM	606178
3D Structure	ModBase 3D Structure for Q96QV1
Immunogen	Partial recombinant corresponding to aa21-121 from human HHIP (NP_071920) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GDAKFGERNEGSGARRRRCLNGNPPKRLKRRDRRMMSQLELLSGGEMLCGGFYPRLSCCLRSDSPGLGRLENKIFSVTNNTECGKLLEEIKCALCSPH
Conjugate	PE
Product Categories/Family for anti-HHIP antibody	Antibodies; Sonic Hedgehog (SHH)
Applications Tested/Suitable for anti-HHIP antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-HHIP antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.

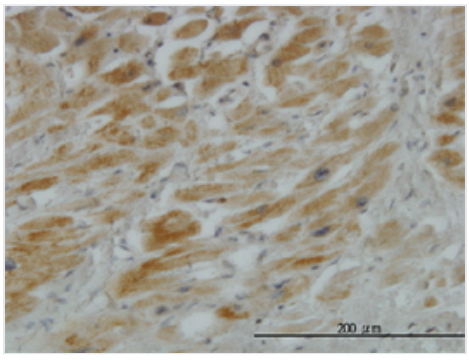
Related Product Information for anti-HHIP antibody	MBS6158181 is an antibody targeting HHIP. Also known as HHIP (Hedgehog-interacting Protein, HHIP, HIP, UNQ5825/PRO19644, FLJ20992, FLJ90230) (PE). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-HHIP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



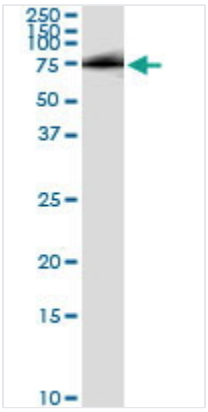
Western Blot (WB) of anti-HHIP antibody
Western Blot detection against Immunogen (37.11kD).



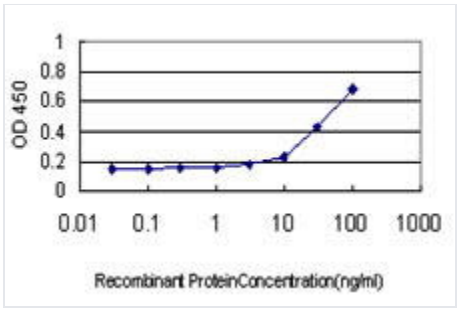
Western Blot (WB) of anti-HHIP antibody
Western Blot analysis of HHIP expression in transfected 293T cell line by HHIP monoclonal antibody. Lane 1: HHIP transfected lysate (78.9kD). Lane 2: Non-transfected lysate.



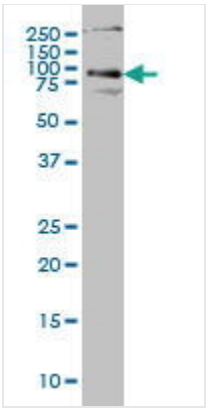
Immunohistochemistry (IHC) of anti-HHIP antibody
Immunoperoxidase of monoclonal antibody to HHIP on formalin-fixed paraffin-embedded human heart. [antibody concentration 3ug/ml].



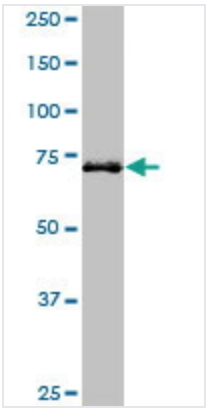
Immunoprecipitation (IP) of anti-HHIP antibody
Immunoprecipitation of HHIP transfected lysate using HHIP monoclonal antibody and Protein A Magnetic Bead and immunoblotted with HHIP rabbit polyclonal antibody.



Testing Data of anti-HHIP antibody
Detection limit for recombinant GST tagged HHIP is ~1ng/ml as a capture antibody.



Western Blot (WB) of anti-HHIP antibody
HHIP monoclonal antibody, Western Blot analysis of HHIP expression in Hela NE.



Western Blot (WB) of anti-HHIP antibody
HHIP monoclonal antibody. Western Blot analysis of HHIP expression in MCF-7.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HHIP. It may not necessarily be applicable to this product.

NCBI GI #	20143973
NCBI GeneID	64399
NCBI Accession #	NP_071920
UniProt Primary Accession #	Q96QV1
UniProt Secondary Accession #	Q6PK09; Q8NCI7; Q9BXK3; Q9H1J4; Q9H7E7
UniProt Related Accession #	Q96QV1
GenBank Nucleotide #	NM_022475
NCBI Official Full Name	hedgehog-interacting protein
NCBI Official Synonym Full Names	hedgehog interacting protein
NCBI Official Symbol	HHIP
NCBI Official Synonym Symbols	HIP
UniProt Protein Name	Hedgehog-interacting protein
Protein Family	Hedgehog-interacting protein
UniProt Gene Name	HHIP
UniProt Synonym Gene Names	HIP; HHIP; HIP
UniProt Entry Name	HHIP_HUMAN
NCBI Protein Information	hedgehog-interacting protein

UniProt Comments for HHIP	HHIP: Modulates hedgehog signaling in several cell types including brain and lung through direct interaction with members of the hedgehog family. Belongs to the HHIP family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell development/differentiation; Membrane protein, integral Chromosomal Location of Human Ortholog: 4q28-q32 Cellular Component: cell surface; integral to plasma membrane; cytoplasm; extracellular region Molecular Function: protein binding; oxidoreductase activity, acting on the CH-OH group of donors, quinone or similar compound as acceptor; zinc ion binding; quinone binding Biological Process: smoothened signaling pathway; dorsal/ventral pattern formation; skeletal morphogenesis; negative regulation of smoothened signaling pathway; neuroblast proliferation; carbohydrate metabolic process; regulation of fibroblast growth factor receptor signaling pathway; negative regulation of signal transduction
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