À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SHH

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:20697-1-AP Phare 59 Publications

Informations de base

Numéro de catalogue:
20697-1-AP

Taille:
150ul , Concentration: 850 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_000193

Identification du gène (NCBI):
6469

Nom complet:
sonic hedgehog homolog (Drosophila)

MW calculé
50 kDa

MW observés:
45-51 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:10-1:100

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris, vison

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules LNCaP, cellules PC-3, tissu hépatique de rat, tissu hépatique de souris, tissu rénal de rat

IP : tissu hépatique de souris,

IHC : tissu de cancer du foie humain, tissu de cancer du pancréas humain, tissu de tumeur ovarienne humain, tissu embryonnaire de souris, tissu rénal de souris

IF : cellules HepG2, tissu rénal de souris

Informations générales

SHH, also named as HHG-1, belongs to the hedgehog family. SHH binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. In the absence of SHH, PTC represses the constitutive signaling activity of SMO. It regulates another target, the gli oncogene. The Shh protein is synthesized as a 45-kDa precursor that undergoes an autocatalytic processing event that produces a 19-kDa N-terminal product, responsible for all signaling activities, and a 25-kDa C-terminal fragment (PMID:10753901, PMID: 16282375).

Publications notables

Autrice	Pubmed ID	Journal	Application
Pai Pang	26427874	Biochem Biophys Res Commun	IHC, IF
Lanlan Li	36102251	J Am Heart Assoc	WB
Zipeng Xie	32931885	Cancer Lett	WB

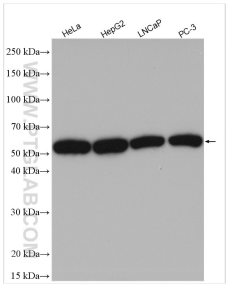
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

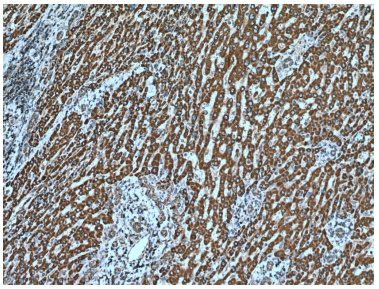
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

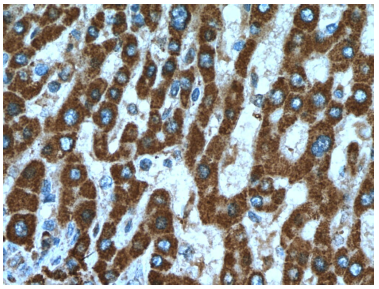
Données de validation sélectionnées



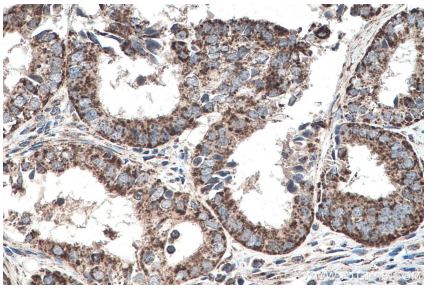
Various lysates were subjected to SDS PAGE followed by western blot with 20697-1-AP (SHH antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



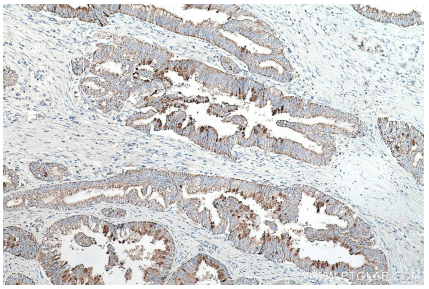
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20697-1-AP (SHH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



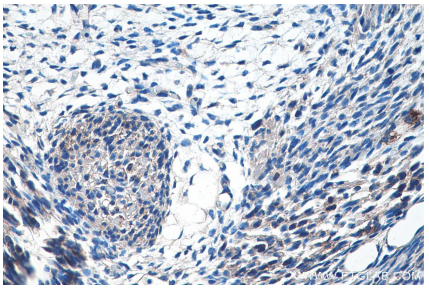
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20697-1-AP (SHH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



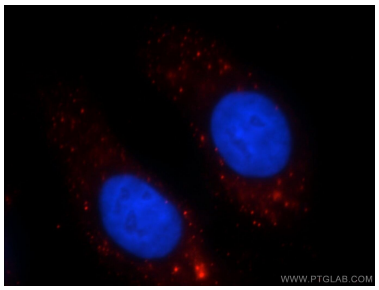
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 20697-1-AP (SHH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



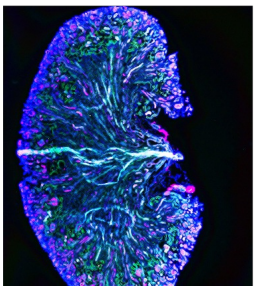
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20697-1-AP (SHH antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



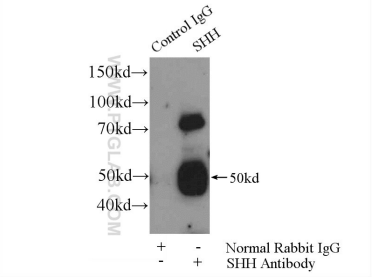
Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 20697-1-AP (SHH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



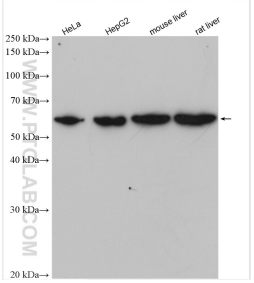
Immunofluorescent analysis of HepG2 cells, using SHH antibody 20697-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

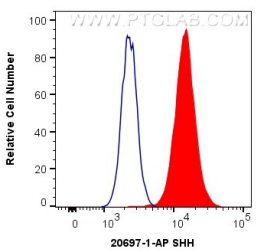


Frozen tissue section of adult mouse kidney was stained for acetylated α-tubulin (magenta, Cat. No CL488-66200), CD31/PECAM-1 (white), and Shh (green, Cat. No 20697-1-AP) with DAPI as a counterstain for visualizing the nucleus (blue). acetylated α-tubulin stains primary cilia and was conjugated to Coralite-488 fluorescent dye and psedocolored to magenta. CD31 stains endocardial/endothelial cells and was visualized with an Alexa Fluor 647 secondary



IP Result of anti-SHH (IP:20697-1-AP, 4ug; Detection:20697-1-AP 1:500) with mouse liver tissue lysate 6400ug.





Various lysates were subjected to SDS PAGE followed by western blot with 20697-1-AP (SHH antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human SHH (20697-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).