

Product Datasheet

Sonic Hedgehog/Shh Antibody (5H4) NBP2-22126

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-22126**Sonic Hedgehog/Shh Antibody (5H4)****Product Information**

Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5H4
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	49.6 kDa

Product Description

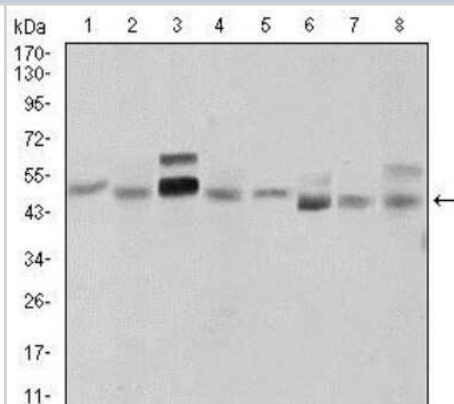
Host	Mouse
Gene ID	6469
Gene Symbol	SHH
Species	Human, Mouse, Primate
Immunogen	Purified recombinant fragment of human Sonic Hedgehog (amino acids 26-170) expressed in E. coli. [UniProt# Q15465]

Product Application Details

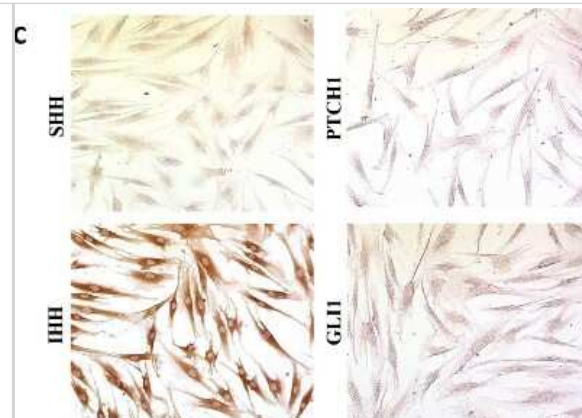
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 32867229), Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

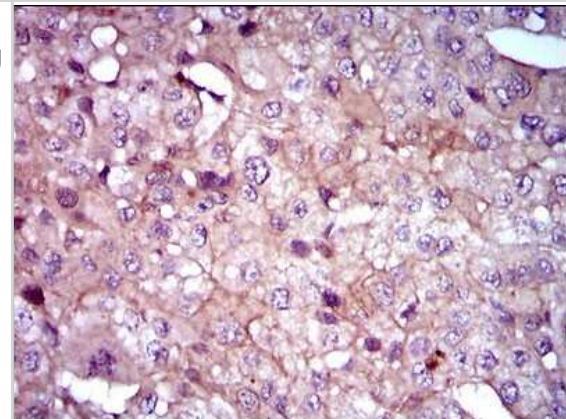
Western Blot: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Analysis using Sonic Hedgehog mouse mAb against LNCaP (1), HepG2 (2), PANC-1 (3), HeLa (4), SK-N-SH (5), F9 (6), NIH3T3 (7), and COS7 (8) cell lysate.



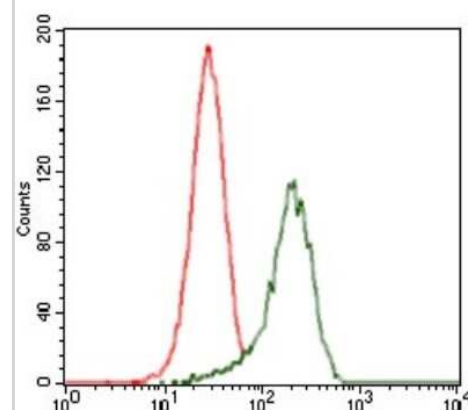
Immunocytochemistry/Immunofluorescence: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Evaluation of IGF-1, IGF1R and HH pathway expression in fibroblasts and oral squamous carcinoma cells. IGF1 mRNA expression in SCC-4 and MF1 cells, evaluated by RT-qPCR. (C) Evaluation of HH pathway component expression in MF1 by immunocytochemistry. Patched 1/PTCH Antibody (NB200-118); Sonic Hedgehog/Shh Antibody (NBP2-22126). Magnification: 400x. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32899449/>) licensed under a CC-BY license.



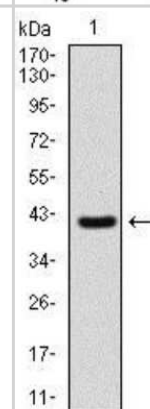
Immunohistochemistry-Paraffin: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Analysis of paraffin-embedded liver cancer tissues using Sonic Hedgehog mouse mAb with DAB staining.



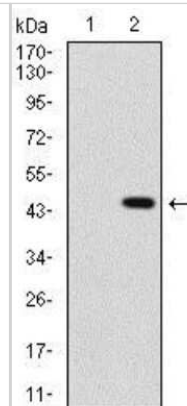
Flow Cytometry: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Analysis of HeLa cells using Sonic Hedgehog mouse mAb (green) and negative control (red).



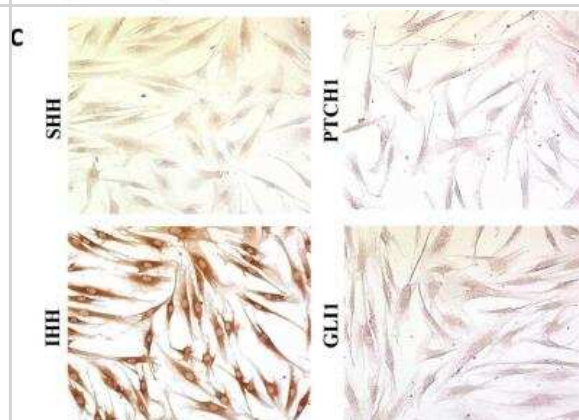
Western Blot: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Analysis using Sonic Hedgehog mAb against human Sonic Hedgehog recombinant protein. (Expected MW is 41 kDa)



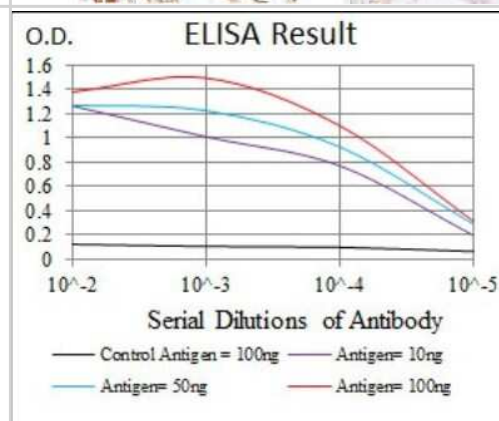
Western Blot: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Analysis using Sonic Hedgehog mAb against HEK293 (1) and Sonic Hedgehog (AA: 26-161)-hlgGFc transfected HEK293 (2) cell lysate.



Immunocytochemistry/Immunofluorescence: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Evaluation of HH pathway component expression in MF1 by immunocytochemistry. Magnification: 400x. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32899449/>) licensed under a CC-BY license.



ELISA: Sonic Hedgehog/Shh Antibody (5H4) [NBP2-22126] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Publications

Ferreira Mendes, J M, de Faro Valverde, L Et al. Effects of IGF-1 on Proliferation, Angiogenesis, Tumor Stem Cell Populations and Activation of AKT and Hedgehog Pathways in Oral Squamous Cell Carcinoma. Int J Mol Sci 2020-09-05 [PMID: 32899449] (WB, Human)

Bacelar Sacramento de AraUjo T, de Oliveira Siquara da Rocha L, Torres Andion Vidal M et al. GANT61 Reduces Hedgehog Molecule (GLI1) Expression and Promotes Apoptosis in Metastatic Oral Squamous Cell Carcinoma Cells International journal of molecular sciences 2020-08-24 [PMID: 32846867] (WB, ICC/IF, Human)

Singh SK, Gordetsky JB, Bae S et al. Selective Targeting of the Hedgehog Signaling Pathway by PBM Nanoparticles in Docetaxel-Resistant Prostate Cancer Cells 2020-08-27 [PMID: 32867229] (IF/IHC, ICC/IF, FLOW, Human)

Vidal MT, Lourenco SV, Soares FA et al. The sonic hedgehog signaling pathway contributes to the development of salivary gland neoplasms regardless of perineural infiltration. Tumour Biol. 2016-01-21 [PMID: 26790448] (IHC-P, Human)

Valverde LF, Pereira TA, Dias RB et al. Macrophages and endothelial cells orchestrate tumor-associated angiogenesis in oral cancer via hedgehog pathway activation. Tumour Biol. 2016-01-15 [PMID: 26768620] (IHC-P, Human)

Vidal MTA Dos Santos JN. Estudo imunoistoquimico de componentes da via Sonic Hedgehog, STAT3 e MCM3 em tumores de glandula salivar. Thesis. 2015-01-01 (IHC-P, Human)





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Products Related to NBP2-22126

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35265-5ug	Recombinant Human Sonic Hedgehog/Shh Protein

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