



Antibody	Concentration	Ag retrieval
PTCH Ab39266	1 in 1500	High pH 9 20 mins 97°C
SMO Ab72130	1 in 200	High pH 9 20 mins 97°C
Gli1 Ab134906	1 in 250	High pH 9 20 mins 97°C
Gli2 Ab26056	1 in 150	Low pH 6 20 mins 97°C
Alexa Fluro® 568 A11011	1 in 500	-

Table S1 Summary of antibodies used for immunohistochemistry. Antigen retrieval used the DAKO PT LINK (Dako, Glostrup, Denmark) machine at 97°C for 20 minutes under alkaline (pH 9.0) or acidic (pH 6.0) conditions. Ab= Abcam, Cambridge, UK; A= Thermo Fisher Scientific Inc, Waltham, MA, USA; Ag=Antigen; PTCH1=Patched 1; SMO=smoothened; Gli1=Glioma-associated zinc transcription factor1; Gli2= Glioma-associated zinc transcription factor2=Gli2

Cancer	Hh pathway signalling	Reference
BCC	90%	[1]
Medulloblastoma	30%	[2]
Small cell lung cancer	25%	[3]
Prostate	Involved	[4]
Glioma	Involved	[5]

Supplementary Table S2. Percentage of involvement of aberrant hedgehog (Hh) signaling pathway in different solid tumours.

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3. Cohen DJ (2012) Targeting the hedgehog pathway: role in cancer and clinical implications of its inhibition *Hematol Oncol Clin North Am.* 2012 Elsevier Inc, United States, pp. 565-588, viii.
4. Abate-Shen C, Shen MM (2000) Molecular genetics of prostate cancer. *Genes & development* 14: 2410-2434
5. Gu W, Shou J, Gu S, Sun B, Che X (2014) Identifying Hedgehog Signaling Specific MicroRNAs in Glioblastomas *Int J Med Sci*, pp. 488-493.