For Research Use Only

PTCH1 Polyclonal antibody

Catalog Number:17520-1-AP

Featured Product

28 Publications



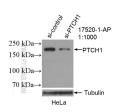
Size: 150ul , Concentration: 480 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5727			
Bradford method using BSA as the standard;	5/2/		Recommended Dilutions: WB 1:500-1:1000	
			IHC 1:50-1:200	
Source: Rabbit	Full Name: patched homolog 1 (D	rosophila)		
Isotype: IgG	Calculated MW: 161 kDa			
	Observed MW: 161 kDa			
Tested Applications:		Positive Controls: WB : mouse brain tissue, A431 cells, HeLa cells		
WB, IF, IHC		IHC : human liver tissue,		
Species Specificity: human, mouse				
Cited Species:				
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
PTCH1 (patched homolog 1) is a twelve-pass transmembrane protein that acts as a receptor of Hedgehog signaling pathway (PMID: 8906794). Hedgehog pathway plays a critical role in embryonic development and tissue homeostasis, and its dysregulation has been implicated in many human diseases including congenital disorder and cancer (PMID: 23719536; 23532857). In the absence of Hedgehog proteins (SHH, IHH and DHH in humans), PTCH1 represses the activity of Smoothened (SMO). Binding of Hedgehog proteins to PTCH1 inhibits the repression of SMO, resulting in the activation of downstream targets through the Gli transcriptional effectors (PMID: 23719536; 17139287). The gene of PTCH1 is considered to be a tumor suppressor gene. Mutations of this gene have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly.				
Author Pu	omed ID Journ	al		Application
Pai Pang 26	427874 Bioch	em Biophys Res	Commun	IHC
Matea Kurtović 36	139698 Cance	ers (Basel)		WB
Diana Trnski 26	385428 Biochi	im Biophys Act	3	WB
Storage Buffer:				
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	WB, IHC, ELISA Cited Applications: WB, IF, IHC Species Specificity: human, mouse Cited Species: human, rat, mouse Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternative PTCH1 (patched homolog 1) is a twell pathway (PMID: 8906794). Hedgehog homeostasis, and its dysregulation h cancer (PMID: 23719536; 23532857). represses the activity of Smoothenec resulting in the activation of downst 17139287). The gene of PTCH1 is con associated with basal cell nevus sync cell carcinomas of the bladder, as we Author Put Pai Pang 264 Matea Kurtović 363 Diana Trnski 263 Storage: Storage Buffer: PBS with 0.02% sodium azide and 50	Diserved MW: 161 kDa Tested Applications: WB, HC, EUSA Cited Applications: WB, IF, IHC Species Specificity: human, mouse Cited Species: human, rat, mouse Dote-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 PTCH1 (patched homolog 1) is a twelve-pass transmembran cancer (PMID: 8906794). Hedgehog pathway plays a critic omoostasis, and its dysregulation has been implicated in mo cancer (PMID: 23719536; 23532857). In the absence of Hedge represses the activity of Smoothened (SMO). Binding of Hedge represses the activation of downstream targets through the 2139287). The gene of PTCH1 is considered to be a tumor si associated with basal cell nevus syndrome, esophageal square cell carcinomas of the bladder, as well as holoprosencephaler <u>Author</u> Pubmed ID Journ Pai Pang 26427874 Biochn Matea Kurtović 36139698 Cancer Diana Tmski Storage: Storage Buffer: Waith 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage	Observed MW: 161 kDa Tested Applications: Positive Cont WB, IHC, ELISA WB: mouse bi- Cited Applications: IHC : human I Species Specificity: human, mouse IHC : human I Cited Species: human, mouse IHC : human I Cited Species: human, mouse IHC : human I PTCH1 (patched homolog 1) is a twelve-pass transmembrane protein that a pathway (PMID: 8906794). Hedgehog pathway plays a critical role in embry homeostasis, and its dysregulation has been implicated in many human di- cancer (PMID: 23719356; 23532857). In the absence of Hedgehog proteins (s represses the activity of Smoothened (SMO). Binding of Hedgehog proteins resulting in the activation of downstream targets through the Gli transcripti 17139287). The gene of PTCH1 is considered to be a tumor suppressor gene cell carcinomas of the bladder, as well as holoprosencephaly. Author Pubmed ID Journal Pai Pang 26427874 Biochem Biophys Act Matea Kurtović 36139698 Cancers (Basel) Diana Trnski 26385428 Biochim Biophys Act Storage: Storage Storage Storage Storage Storage Storage Storage Storage Autoring is unnecessary for -20°C storage Ptisproduct Plase contact	Observed MW: 161kDa Tested Applications: Positive Controls: WB, IHC, ELISA WB: mouse brain tissue, A431 ce Cited Applications: HC: human liver tissue, Species Specificity: HC: human nouse Cited Species: human, mouse Offer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Protein that acts as a receptor of pathway (PMD: 8906794). Hedgehog pathway plays a critical role in embryonic development homeostasis, and its dysregulation has been implicated in many human diseases including co cancer (PMID: 2371953 c 2353287). In the absence of Hedgehog proteins (SHH, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHH, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Smoothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represses the activity of Samothened (SMO). Binding of Hedgehog proteins (SHK, IHH and DHH represperise act

in USA), or 1(312) 455-8498 (outside USA)

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other manufacturer.

Selected Validation Data



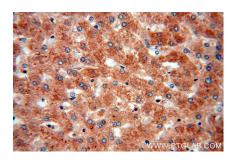
WB result of PTCH1 antibody (17520-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTCH1 transfected HeLa cells.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17520-1-AP (PTCH1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver using 17520-1-AP (PTCH1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human liver using 17520-1-AP (PTCH1 antibody) at dilution of 1:50 (under 40x lens).