

# (Mouse) Shh Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20881c

## **Product Information**

Application	WB, IHC-P, E
Primary Accession	<u>Q62226</u>
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51215
Calculated MW	47773

## **Additional Information**

Gene ID	20423
Other Names	Sonic hedgehog protein, SHH, HHG-1, Sonic hedgehog protein N-product, Sonic hedgehog protein 19 kDa product, Sonic hedgehog protein C-product, Sonic hedgehog protein 27 kDa product, Shh, Hhg1
Target/Specificity	This (Mouse) Shh antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 397-431 amino acids from the C-terminal region of Mouse Shh.
Dilution	WB~~1:500-1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(Mouse) Shh Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Protein Information**

Name	Shh {ECO:0000312 MGI:MGI:98297}
Synonyms	Hhg1
Function	[Sonic hedgehog protein]: The C-terminal part of the sonic hedgehog

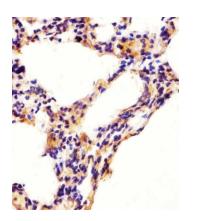
## Background

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. Also regulates another target, the gli oncogene. Intercellular signal essential for a variety of patterning events during development: signal produced by the notochord that induces ventral cell fate in the neural tube and somites, and the polarizing signal for patterning of the anterior-posterior axis of the developing limb bud. Displays both floor plate- and motor neuron-inducing activity. The threshold concentration of N-product required for motor neuron induction is 5-fold lower than that required for floor plate induction (By similarity).

## References

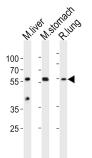
Echelard Y.,et al.Cell 75:1417-1430(1993). McMahon A.P.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases. Chang D.T.,et al.Development 120:3339-3353(1994). Carninci P.,et al.Science 309:1559-1563(2005). Roelink H.,et al.Cell 81:445-455(1995).

### Images



Immunohistochemical analysis of paraffin-embedded M. lung section using (Mouse) Shh Antibody (C-term)(Cat#AP20881c). AP20881c was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

Western blot analysis of lysates from mouse liver, mouse stomach, rat lung tissue lysate (from left to right), using Shh Antibody (C-term)(Cat. #AP20881c). AP20881c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.