

Anti-SHH Antibody
Rabbit Polyclonal Antibody
Catalog # ABV12112**Specification**

Anti-SHH Antibody - Product Information

Application	WB
Primary Accession	Q15465
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Anti-SHH Antibody - Additional Information**Gene ID** 6469

Positive Control	Western blot
Application & Usage	Western blot: 1-4 µg/ml
Other Names	
Sonic hedgehog protein, HHG-1, SHH	

Target/Specificity
SHH**Antibody Form**
Liquid**Appearance**
Colorless liquid**Reconstitution & Storage**
-20°C**Background Descriptions****Precautions**

Anti-SHH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SHH Antibody - Protein Information

Name SHH ([HGNC:10848](#))

Function

[Sonic hedgehog protein]: The C-terminal part of the sonic hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (By similarity). Both activities result in the cleavage of the full-length protein into two parts (ShhN and ShhC) followed by the covalent

attachment of a cholesterol moiety to the C-terminal of the newly generated ShhN (By similarity). Both activities occur in the reticulum endoplasmic (By similarity). Once cleaved, ShhC is degraded in the endoplasmic reticulum (By similarity).

Cellular Location

[Sonic hedgehog protein]: Endoplasmic reticulum membrane. Golgi apparatus membrane.

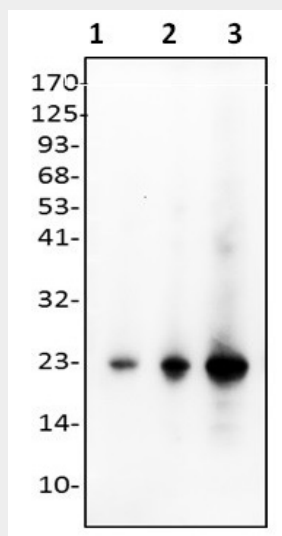
Secreted Note=Co-localizes with HHAT in the ER and Golgi membrane

Anti-SHH Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SHH Antibody - Images



Western blot analysis of SHH antibody in: Lane 1: SHH human recombinant 2 ng Lane 2: SHH human recombinant 10 ng Lane 3: SHH human recombinant 50 ng

Anti-SHH Antibody - Background

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. Activates the transcription of target genes by interacting with its receptor PTCH1 to prevent normal inhibition by PTCH1 on the constitutive signaling activity of SMO.