

## Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody Catalog # ABO14176

### Specification

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#### Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	<a href="#">Q15465</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

#### Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody - Additional Information

Gene ID 6469

#### Other Names

Sonic hedgehog protein, SHH, 3.1.-., HHG-1, Shh unprocessed N-terminal signaling and C-terminal autoprocessing domains, ShhNC, Sonic hedgehog protein N-product, ShhN, Shh N-terminal processed signaling domains, ShhNp, SHH ([HGNC:10848](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=10848))

#### Calculated MW

49607 MW KDa

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50

#### Subcellular Localization

Sonic hedgehog protein C-product: Secreted, extracellular space. The C-terminal peptide diffuses from the cell..

#### Tissue Specificity

Expressed in fetal intestine, liver, lung, and kidney. Not expressed in adult tissues.

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Sonic Hedgehog

#### Purification

Affinity-chromatography

## Storage

Store at  $-20^{\circ}\text{C}$  for one year. For short term storage and frequent use, store at  $4^{\circ}\text{C}$  for up to one month. Avoid repeated freeze-thaw cycles.

## Anti-Sonic Hedgehog SHH Rabbit Monoclonal 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

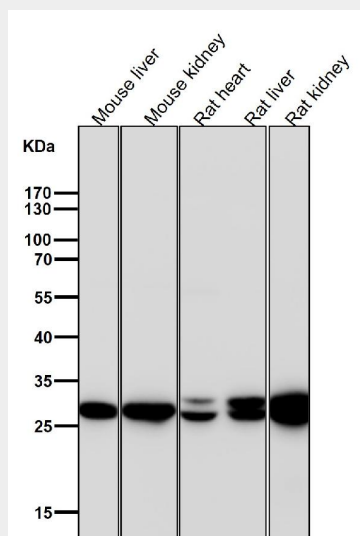
[Sonic hedgehog protein]: Endoplasmic reticulum membrane. Golgi apparatus membrane. Secreted Note=Co-localizes with HHAT in the ER and Golgi membrane

## Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody - Protocols

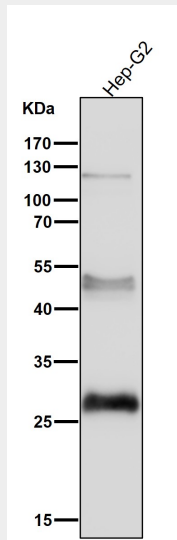
Provided below are standard protocols that you may find useful for product applications.

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

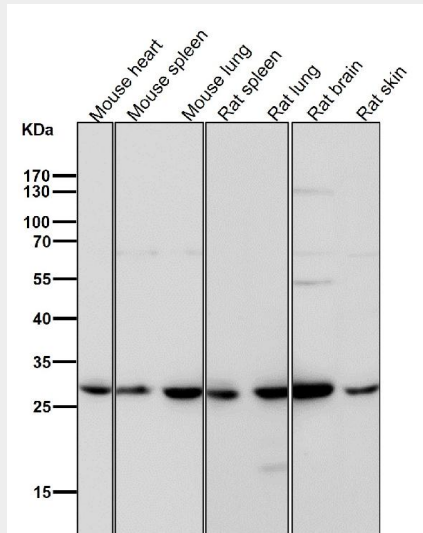
## Anti-Sonic Hedgehog SHH Rabbit Monoclonal Antibody - Images



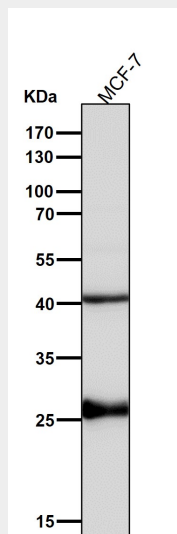
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



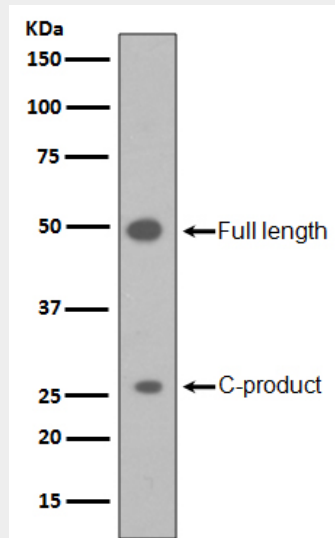
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



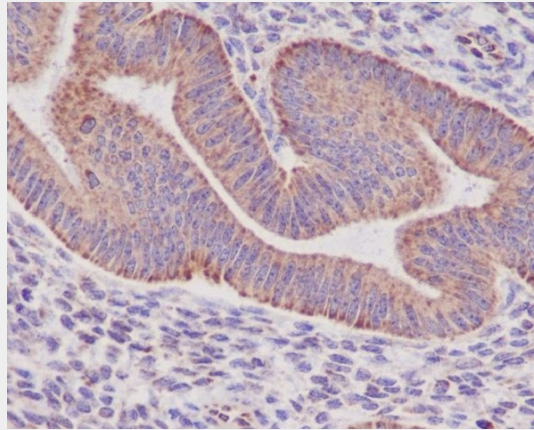
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



Western blot analysis of Sonic Hedgehog in HepG2 cell lysate.



Immunohistochemical analysis of paraffin-embedded human endometrium, using Sonic Hedgehog Antibody.