

Product Name: Sonic Hedgehog (15Y5) Rabbit Monoclonal Antibody**Catalog #: AMRe18113**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:500-1:2000,ICC/IF 1:200-1:500,FC 1:20-1:50
Molecular Weight	50kDa

Antigen Information

Gene Name	SHH
Alternative Names	TPT; HHG1; HLP3; HPE3; SMMCI; TPTPS; MCOPCB5; Sonic Hedgehog;
Gene ID	6469.0
SwissProt ID	Q15465
Immunogen	A synthetic peptide of human Sonic Hedgehog

Background

This gene encodes a protein that is instrumental in patterning the early embryo. It has been implicated as the key inductive signal in patterning of the ventral neural tube, the anterior-posterior limb axis, and the ventral somites. Of three human

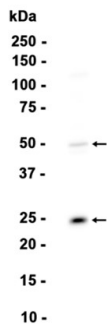
proteins showing sequence and functional similarity to the sonic hedgehog protein of *Drosophila*, this protein is the most similar. [Sonic hedgehog protein]: The C-terminal part of the sonic hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (By similarity). 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).

Research Area

Epigenetics and Nuclear Signaling

Image Data

Human fetal kidney



Western blot analysis of extracts from Human fetal kidney tissue using Sonic Hedgehog (15Y5) Rabbit Monoclonal Antibody at 1:1000.