

Datasheet for ABIN3032696

anti-Sonic Hedgehog antibody (N-Term)[Go to Product page](#)**3** Images

Overview

Quantity:	0.4 mL
Target:	Sonic Hedgehog (SHH)
Binding Specificity:	N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sonic Hedgehog antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This mouse Shh antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 58-91 amino acids from the N-terminal region of mouse Sonic hedgehog.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Sonic Hedgehog (SHH)
Alternative Name:	Shh (SHH Products)
Background:	Sonic hedgehog intercellular signaling is essential for a variety of patterning events during development: signal produced by the notochord that induces ventral cell fate in the neural tube

Target Details

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. [UniProt]

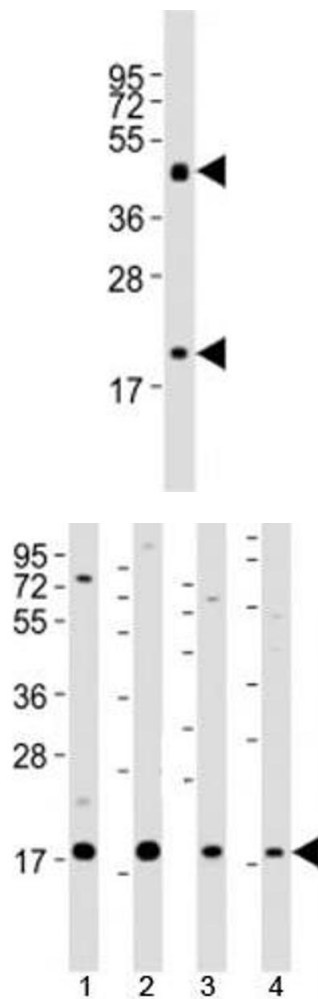
UniProt:	Q62226
Pathways:	Hedgehog Signaling , Dopaminergic Neurogenesis , Regulation of Muscle Cell Differentiation , Tube Formation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	<p>Titration of the Shh antibody may be required due to differences in protocols and secondary/substrate sensitivity.</p> <p>1. The 45 kDa precursor protein autocleaves into 27 kDa amino and 19 kDa carboxy fragments.\. Western blot: 1:1000-2000</p>
Restrictions:	For Research Use only

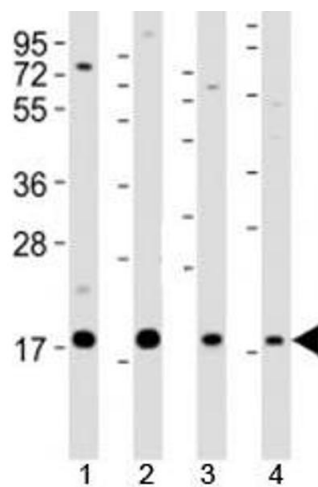
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Shh antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



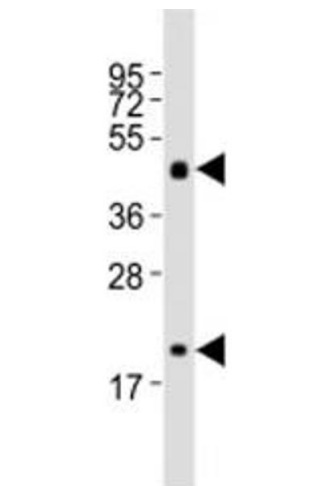
Western Blotting

Image 1. Western blot testing of Shh antibody at 1:2000 dilution + mouse stomach lysate; Predicted molecular weight: 45/27/19 kDa (1)



Western Blotting

Image 2. Western blot testing of Shh antibody at 1:2000 dilution. Lane 1: F9 lysate; 2: mouse stomach lysate; 3: NIH3T3 lysate; 4: rat liver lysate; Predicted molecular weight: 45/27/19 kDa (1)



Western Blotting

Image 3. Western blot testing of Shh antibody at 1:2000 dilution + mouse stomach lysate