



20190327DS

Anti-human Indian Hedgehog (#9L16)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M720
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with human recombinant Indian Hedgehog N-terminus.

Target Background

Synonyms (Target):	
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Indian Hedgehog (Ihh), Sonic Hedgehog (Shh), and Desert Hedgehog (Dhh) are important signaling molecules during embryonic development and are highly conserved within and across species. Mouse Ihh cDNA encodes a 411 amino acid (aa) polypeptide with a predicted 27 aa signal peptide. Post-translational processing yields a 19 kDa lipid-modified N-terminal domain that is the signaling molecule. At the cell surface, Ihh activity is mediated by binding the 12-pass transmembrane receptor, Patched (Ptc), and signaling through the 7-pass transmembrane G-protein coupled receptor, Smoothed (Smo).

Database References Target

Protein RefSeq:	NP_002172.2
Uniprot ID:	Q14623
mRNA RefSeq:	NM_002181.3

Product Specifications

Host	Rat
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#9L16)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	Recombinant Human Indian Hedgehog N-Terminus
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20°C for at least for six months without detectable loss of activity.

Remarks: This antibody recognizes human IHH by direct Elisa and Western Blot.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

Western Blot: 1:500 - 1:1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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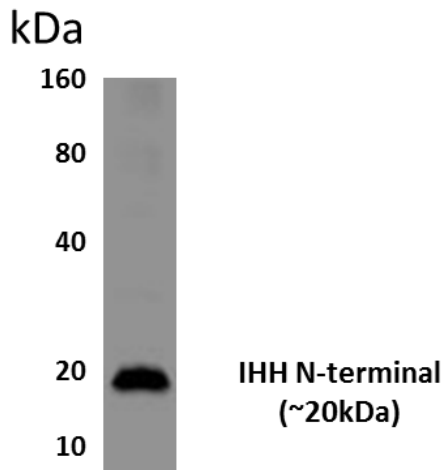


Fig. 1: Western Blot Analysis of Lysates of HEK293 expressing human IHH N-terminus