



20150116ML

Anti-Mouse Indian Hedgehog (#3A11)

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

Cat.-no.:	103-M286
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 purified mouse recombinant protein of N-Terminal fragment of ihh. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

Target Background

Synonyms (Target):	IHH; BDA1; HHG2
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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, Smoothened (Smo).

Database References Target

Protein RefSeq:	NP_034674.1
Uniprot ID:	P97812
mRNA RefSeq:	NM_010544.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#3A11)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse recombinant protein of N-Terminal fragment of ihh protein
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 detects mouse ihh in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

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