

Anti-(Mouse) Ihh Antibody (N-term)

Catalog Number: M01448

About Ihh

Intercellular signal essential for a variety of patterning events during development. Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. Implicated in endochondral ossification: may regulate the balance between growth and ossification of the developing bones. Induces the expression of parathyroid hormone-related protein (PTHrP).

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Overview

Product Name	Anti-(Mouse) Ihh Antibody (N-term)
Reactive Species	Mouse
Description	Boster Bio Anti-(Mouse) Ihh Antibody (N-term) (Catalog # M01448). Tested in WB, Flow Cytometry, IHC-P application(s). This antibody reacts with Mouse.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P97812

Technical Details

Immunogen	This mouse Ihh antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 57-90 amino acids from the N-terminal region of mouse Ihh.
Predicted Reactive Species	Bovine, Chicken, Horse, Monkey, Pig, Sheep, Xenopus
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

Suggested Dilutions

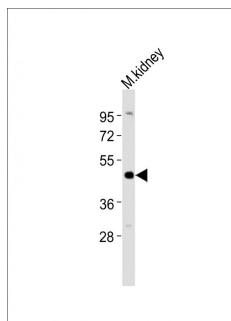
WB: 1:2000

IHC-P: 1:25

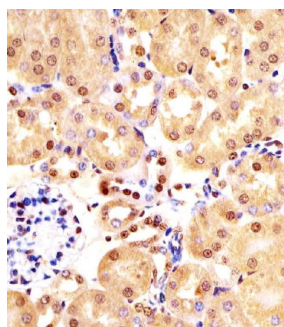
FC: 1:25

Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

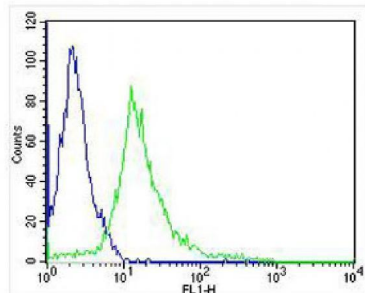
Anti-(Mouse) Ihh Antibody (N-term) (M01448) Images



Anti-Ihh Antibody (N-term) at 1:2000 dilution + mouse kidney lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



M01448 staining (Mouse) Ihh in mouse kidney sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing Jurkat cells stained with M01448 (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (KRT12 Antibody, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

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