BT LAB
Bioassay Technology Laboratory

Optimize Your Research

IHOG Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2193
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human IHOG expressed in E. Coli.
Mol wt	98kDa
Species reactivity	Drosophila Melanogaster
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	CG9211;CT26314;Dmel CG9211;ihog;Ihog

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The ihog gene (interference hedgehog), identified by RNA interference in Drosophila cultured cells, encodes a type 1 membrane protein shown here to bind and to mediate response to the active Hedgehog (Hh) protein signal. ihog mutations produce defects characteristic of Hh signaling loss in embryos and imaginal discs, and epistasis analysis places ihog action at or upstream of the negatively acting receptor component, Patched (Ptc). The first of two extracellular fibronectin type III (FNIII) domains of the Ihog protein mediates a specific interaction with Hh protein in vitro, but the second FNIII domain is additionally required for in vivo signaling activity and for Ihog-enhanced binding of Hh protein to cells coexpressing Ptc. Other members of the Ihog family, including Drosophila Boi and mammalian CDO and BOC, also interact with Hh ligands via a specific FNIII domain, thus identifying an evolutionarily conserved family of membrane proteins that function in Hh signal response.

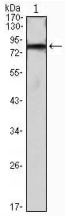
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using IHOG mAb against IHOG-hIgGFc transfected HEK293 cell lysate.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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