

Datasheet for ABIN969211

anti-IHOG antibody**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	IHOG
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IHOG antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	IHOG Antibody
Immunogen:	Purified recombinant fragment of human IHOG expressed in E. Coli.
Clone:	3G8
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	IHOG
Alternative Name:	IHOG (IHOG Products)
Background:	Description: 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

Target Details

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.

Aliases: CG9211, CT26314, Dmel CG9211, ihog, Ihog

Molecular Weight: 98kDa

Gene ID: 33972

HGNC: 33972

UniProt: [Q9VM64](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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.

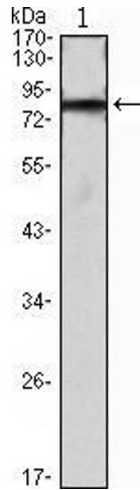
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: McLellan, Yao, Zheng, Geisbrecht, Ghirlando, Beachy, Leahy: "Structure of a heparin-dependent complex of Hedgehog and Ihog." in: **Proceedings of the National Academy of Sciences of the**

Images



Western Blotting

Image 1. Western blot analysis using IHOG mAb against IHOG-hlgGfc transfected HEK293 cell lysate.