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Datasheet for ABIN969211

anti-IHOG antibody

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	IHOG
Reactivity:	Drosophila melanogaster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IHOG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human IHOG expressed in E. coli.
Clone:	3G8
Isotype:	IgG1
Purification:	purified

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 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

Target Details

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:	98 kDa
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Gene ID:	33972
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HGNC:	33972
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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Preservative:	Sodium azide
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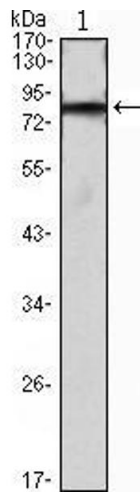
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Publications

Product cited in:	Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: Journal of proteome research , Vol. 12, Issue 12, pp. 5750-9, (2013) (PubMed).
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Western Blotting

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