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Datasheet for ABIN334456
anti-Patched 1 antibody (Internal Region)

1 Publication

Overview

Quantity:	100 µg
Target:	Patched 1 (PTCH1)
Binding Specificity:	Internal Region
Reactivity:	Zebrafish (Danio rerio)
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Patched 1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Patched 1 (zebrafish)
Immunogen:	Peptide with sequence C-QTGSKKEPFNYSQ, from the internal region of the protein sequence according to NP_571063.1.
Sequence:	QTGSKKEPFN YSQ
Isotype:	IgG
Cross-Reactivity:	Zebrafish (Danio rerio)
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Patched 1 (PTCH1)
Alternative Name:	ptc1 (PTCH1 Products)
Background:	Ptc1, patched 1 , ptc-1, etID309849.2, patched1
NCBI Accession:	NP_571063
Pathways:	Hedgehog Signaling , Carbohydrate Homeostasis , Tube Formation

Application Details

Application Notes:	Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	Immunofluorescence: This product has been successfully used in IF studies of zebrafish tumors (Ju et al, Mol Cancer. 2009 Jun 25;8:40., PMID: 19555497). Recommended concentration: 1-3µg/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:	Ju, Spitsbergen, Eden, Taylor, Chen: "Co-activation of hedgehog and AKT pathways promote tumorigenesis in zebrafish." in: Molecular cancer , Vol. 8, pp. 40, (2009) (PubMed).
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