

ARG64324 anti-Patched 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Patched 1
Tested Reactivity	Zfsh
Tested Application	ICC/IF
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Patched 1
Species	Zebrafish
Immunogen	C-QTGSKKEPFNYSQ
Conjugation	Un-conjugated
Alternate Names	NBCCS; PTCH; HPE7; Protein patched homolog 1; PTC; PTCH11; BCNS; PTC1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1 - 3 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ptch1
Gene Full Name	patched 1
Background	This gene encodes a member of the patched gene family. The encoded protein is the receptor for sonic hedgehog, a secreted molecule implicated in the formation of embryonic structures and in tumorigenesis, as well as the desert hedgehog and indian hedgehog proteins. This gene functions as a tumor suppressor. Mutations of this gene have been associated with basal cell nevus syndrome, esophageal squamous cell carcinoma, trichoepitheliomas, transitional cell carcinomas of the bladder, as well as holoprosencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional splice variants have been described, but their full length sequences and biological validity cannot be determined currently. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	161 kDa
PTM	Glycosylation is necessary for SHH binding. In the absence of Hh ligands, ubiquitination by ITCH at Lys-1426 promotes endocytosis and both proteasomal and lysosomal degradation.