

ARG64324
anti-Patched 1 antibodyPackage: 100 µg
Store at: -20°C

Summary

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| 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-QTGSKKPEFNYSQ |
| Conjugation | Un-conjugated |
| Alternate Names | NBCCS; PTCH; HPE7; Protein patched homolog 1; PTC; PTCH11; BCNS; PTC1 |

Application Instructions

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| 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

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| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| 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

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| 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. |