

Ihh Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2704b

Product Information

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|-------------------|--|
| Application | WB, E |
| Primary Accession | Q80XI9 |
| Other Accession | Q91612 , P97812 , Q14623 , Q98862 , Q98938 |
| Reactivity | Human, Mouse |
| Predicted | Chicken, Zebrafish, Xenopus |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB10378 |
| Calculated MW | 49445 |
| Antigen Region | 169-200 |

Additional Information

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|--------------------|---|
| Gene ID | 16147 |
| Other Names | Indian hedgehog |
| Target/Specificity | This Ihh antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-200 amino acids from the C-terminal region of human Ihh. |
| Dilution | WB~~1:1000 E~~Use at an assay dependent concentration. |
| Format | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | Ihh Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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| Name | Ihh {ECO:0000313 EMBL:AAH46984.1, ECO:0000313 MGI:MGI:96533} |
| Function | [Protein hedgehog N-product]: The dually lipidated hedgehog protein N-product is a morphogen which is essential for a variety of patterning events during development. |

Cellular Location

Endoplasmic reticulum membrane {ECO:0000256|ARBA:ARBA00004586}.
Secreted {ECO:0000256|ARBA:ARBA00004613} [Protein hedgehog N-product]:
Cell membrane {ECO:0000256|RuleBase:RU280812}; Lipid-anchor
{ECO:0000256|RuleBase:RU280812}

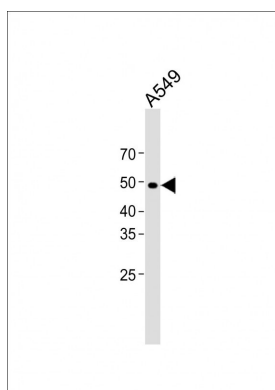
Background

Ihh (Indian hedgehog) is a critical and possibly direct regulator of joint development. In its absence, distribution and function of Gdf5-expressing interzone-associated cells are abnormal.

References

Kobayashi,T., Proc. Natl. Acad. Sci. U.S.A. 105 (6), 1949-1954 (2008)
Gat-Yablonski,G.,J. Pediatr. Endocrinol. Metab. 20 (11), 1215-1222 (2007)
Koyama,E., Ann. N. Y. Acad. Sci. 1116, 100-112 (2007)

Images



All lanes: Anti-Ihh Antibody (Center) at 1:2000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 49 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.