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Dhh Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14670

Specification

Dhh Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q61488
Other Accession	NM_007857, NP_031883
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Goat, Sheep, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43kDa KDa**

Dhh Antibody - N-terminal region - Additional Information

Gene ID 13363

Alias Symbol	**C78960**

Other Names
Desert hedgehog protein, DHH, HHG-3, Desert hedgehog protein N-product, Desert hedgehog protein C-product, Dhh

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Dhh antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Dhh Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Dhh Antibody - N-terminal region - Protein Information

Name Dhh {ECO:0000312|MGI:MGI:94891}

Function
[Desert hedgehog protein]: The C-terminal part of the desert hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (By similarity). Both activities result in the cleavage of the full-length protein into two parts (DhhN and DhhC) followed by the covalent attachment of a cholesterol moiety to the C-terminal of the newly generated DhhN (By similarity). Both activities occur in the reticulum endoplasmic (By similarity). Functions in cell-cell mediated juxtacrine signaling (By similarity). Promotes endothelium integrity (PubMed:<a

href="http://www.uniprot.org/citations/33063110" target="_blank">33063110). Binds to PTCH1 receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes in endothelial cells (PubMed:33063110). In Schwann cells, controls the development of the peripheral nerve sheath and the transition of mesenchymal cells to form the epithelium-like structure of the perineurial tube (PubMed:10482238).

Cellular Location
[Desert hedgehog protein N-product]: Cell membrane {ECO:0000250|UniProtKB:Q62226}; Lipid-anchor {ECO:0000250|UniProtKB:Q62226}

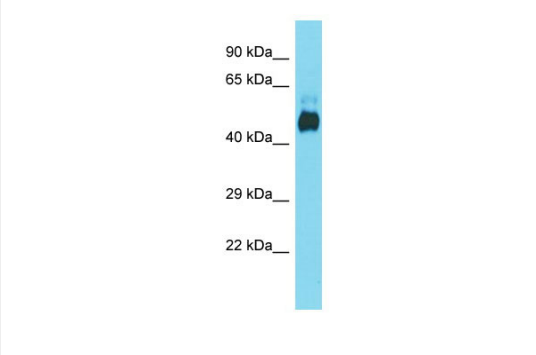
Tissue Location
Expressed in adult testes (PubMed:8805249). Not expressed in limb buds.

Dhh Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Dhh Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Dhh
Sample Tissue: Mouse Kidney lysates
Antibody Dilution: 1.0µg/ml

Dhh Antibody - N-terminal region - References

Echelard Y.,et al.Cell 75:1417-1430(1993).
Lubec G.,et al.Submitted (JAN-2009) to UniProtKB.
Chang D.T.,et al.Development 120:3339-3353(1994).