

# Dhh Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14670

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q61488</a>
<b>Other Accession</b>	<a href="#">NM_007857</a> , <a href="#">NP_031883</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	43542

## Additional Information

<b>Gene ID</b>	13363
<b>Alias Symbol</b>	C78960
<b>Other Names</b>	Desert hedgehog protein, DHH, HHG-3, Desert hedgehog protein N-product, Desert hedgehog protein C-product, Dhh
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	Dhh Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	Dhh {ECO:0000312 MGI:MGI:94891}
<b>Function</b>	[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 endoplasmic reticulum (By similarity). Functions in cell-cell mediated juxtacrine signaling (By similarity). Promotes endothelium integrity (PubMed: <a href="#">33063110</a> ). 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.

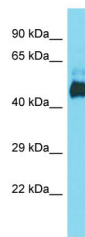
## References

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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).

## Images

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

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