

Rabbit anti-Zebrafish DANRE shha Polyclonal Antibody | anti-shha antibody

DANRE shha Antibody (Center)

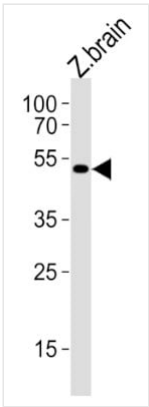
CATALOG # AAA288398	HOST Rabbit	REACTIVITY Zebrafish	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

DANRE shha; Polyclonal Antibody; DANRE shha Antibody (Center); Sonic hedgehog protein A; SHHA; VHH-1; Sonic hedgehog protein A N-product; Sonic hedgehog protein A C-product; shha; shh; vhh1; anti-shha antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish
Clonality	Polyclonal
Specificity	This shha antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 151-162 amino acids from the Central region of DANRE shha.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	418
Applicable Applications for anti-shha antibody	ELISA, WB (Western Blot)
Function	[Sonic hedgehog protein]: The C-terminal part of the sonic 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 (ShhN and ShhC) followed by the covalent attachment of a cholesterol moiety to the C-terminal of the newly generated ShhN (By similarity). Both activities occur in the reticulum endoplasmic (By similarity). Once cleaved, ShhC is degraded in the endoplasmic reticulum (By similarity).
Cellular Location	[Sonic hedgehog protein]: Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q15465}. Golgi apparatus membrane {ECO:0000250 UniProtKB:Q15465}. Note=Co-localizes with HHAT in the ER and Golgi membrane. {ECO:0000250 UniProtKB:Q15465}
Tissue Location	Expressed in the ventral midline of the neural tube and brain. Also found in the notochord and in developing fin bud. In the developing brain, expression occurs in domains that include a discrete region in the floor of the diencephalon
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Shha Antibody (Center) western blot analysis in zebrafish brain tissue lysate (35ug/lane). This demonstrates that the (DANRE) shha antibody detected zebrafish shha protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-shha antibody	Intercellular signal essential for a variety of patterning events during development. Signal produced by the notochord that induces somite patterning, dorso-ventral patterning of the brain and early patterning of the developing eyes. Displays floor plate-inducing activity. Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to activate the transcription of target genes. In the absence of SHH, PTC represses the constitutive signaling activity of SMO (By similarity).
Product Categories/Family for anti-shha antibody	Crown Antibodies
References	Roelink H.,et al.Cell 76:761-775(1994). Ekker S.C.,et al.Curr. Biol. 5:944-955(1995). Fietz M.J.,et al.Development Suppl. 120:43-51(1994). Muller F.,et al.Development 126:2103-2116(1999). Zardoya R.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:13036-13041(1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	18859357
NCBI GeneID	30269
NCBI Accession #	NP_571138.1
NCBI GenBank Nucleotide #	NM_131063.3
UniProt Accession #	Q92008; O13170; O13171; O13208; O13209; O13245; O13246
Molecular Weight	46403
NCBI Official Full Name	sonic hedgehog protein A
NCBI Official Synonym Full Names	sonic hedgehog a
NCBI Official Symbol	shha
NCBI Official Synonym Symbols	shh; syu; vhh1; vhh-1; fc83d08; wu:fc83d08
NCBI Protein Information	sonic hedgehog protein A
UniProt Protein Name	Sonic hedgehog protein A
UniProt Gene Name	shha
UniProt Synonym Gene Names	shh; vhh1; SHHA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/danre-shha-antibody-western-blot-elisa/288398>