

Rabbit Dhh Polyclonal Antibody | anti-DHH antibody

Dhh Antibody

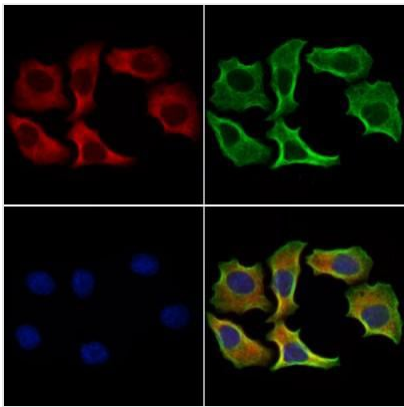
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329159	Rabbit	Human, Mouse Predicted Reactivity: Pig(100%), Horse(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

Dhh; Polyclonal Antibody; Dhh Antibody; C78960; Desert hedgehog (Drosophila) homolog; Desert hedgehog; Desert hedgehog homolog (Drosophila); Desert hedgehog protein C-product; Desert hedgehog protein precursor; DHH; DHH_HUMAN; GDXYM; HHG-3; Hira; SRXY7; anti-DHH antibody

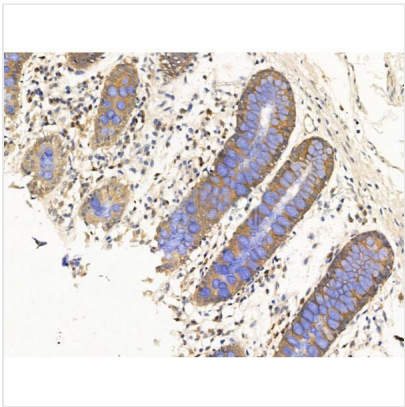
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig(100%), Horse(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Dhh Antibody detects endogenous levels of total Dhh.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	396
Applicable Applications for anti-DHH antibody	ELISA
Immunogen	A synthesized peptide derived from human Dhh, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



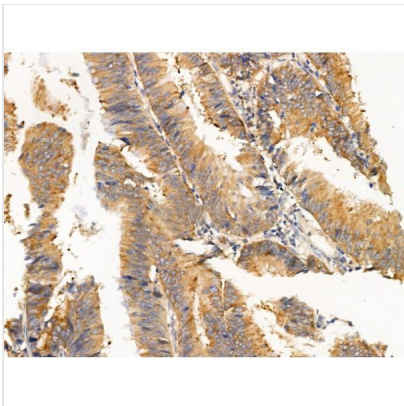
IF (Immunofluorescence)

AAA329159 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329159 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



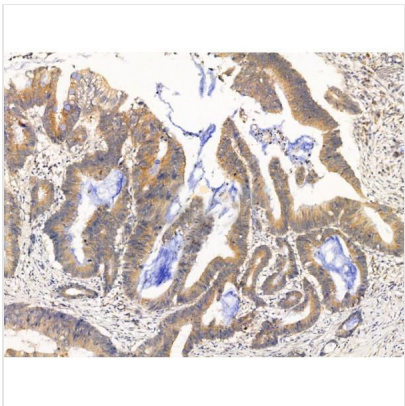
IHC (Immunohistochemistry)

AAA329159 at 1/100 staining Human colorectal cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



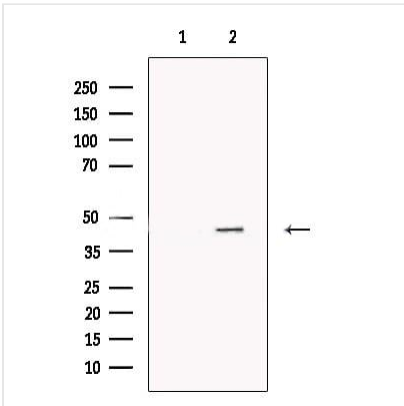
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WB (Western Blot)

Western blot analysis of extracts from Raji, using Dhh Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DHH antibody	Function: Intercellular signal essential for a variety of patterning events during development. May function as a spermatocyte survival factor in the testes. Essential for testes development.
	Post Translational Modifications: The C-terminal domain displays an autoproteolysis activity and a cholesterol transferase activity. Both activities result in the cleavage of the full-length protein and covalent attachment of a cholesterol moiety to the C-terminal of the newly generated N-terminal fragment (N-product). This covalent modification appears to play an essential role in restricting the spatial distribution of the protein activity to the cell surface. The N-product is the active species in both local and long-range signaling, whereas the C-product has no signaling activity (By similarity).
	Subcellular Location: Cell membrane>Lipid-anchor>Extracellular side. Note: The N-terminal peptide remains associated with the cell surface.Secreted>Extracellular space. Note: The C-terminal peptide diffuses from the cell.
	Subunit Structure: Interacts with BOC and CDON. Interacts with HHIP.
	Similarity: The desert hedgehog protein N-product binds calcium and zinc ions; this stabilizes the protein fold and is essential for protein-protein interactions mediated by this domain.Belongs to the hedgehog family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6166118
NCBI GeneID	50846
UniProt Accession #	O43323
Molecular Weight	Observed Molecular Weight: (Observed)43kD. Predicted Molecular Weight: (Calculated)44kDa.
NCBI Official Full Name	Desert hedgehog protein
NCBI Official Synonym Full Names	desert hedgehog signaling molecule
NCBI Official Symbol	DHH
NCBI Official Synonym Symbols	GDXYM; HHG-3; SRXY7
NCBI Protein Information	desert hedgehog protein
UniProt Protein Name	Desert hedgehog protein
UniProt Gene Name	DHH
UniProt Synonym Gene Names	DHH
UniProt Entry Name	DHH_HUMAN

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/dhh-antibody-elisa/329159>