

Datasheet for ABIN6992122
anti-HOPX antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	HOPX
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOPX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	HOPX antibody was raised against a 16 amino acid peptide near the amino terminus of human HOPX. The immunogen is located within the first 50 amino acids of HOPX.
Isotype:	IgG
Specificity:	HOPX antibody is human specific. At least three isoforms of HOPX are known to exist, this antibody will detect all three isoforms.
Purification:	HOPX antibody is affinity chromatography purified via peptide column.

Target Details

Target:	HOPX
Alternative Name:	HOPX (HOPX Products)

Target Details

Background:	HOPX is a small homeodomain protein that lacks normally conserved residues required for DNA binding (1). It is thought to act downstream of NKX2-5 and modulates serum response factor (SRF)-dependent cardiac-specific gene expression and cardiac development (1). HOPX also acts a tumor suppressor gene in multiple tumors and cancer cell lines (2,3). HOPX has been reported to regulate the proliferation/differentiation homeostasis in different cell types, including keratinocytes (4).
Molecular Weight:	Predicted: 12 kDa Observed: 18 kDa
Gene ID:	84525
NCBI Accession:	NP_001138932
UniProt:	Q9BPY8
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	HOPX antibody can be used for detection of HOPX by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	HOPX antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: HOPX antibody can be stored at 4°C for three months and -20°C, stable for up to one year.