

Rabbit anti-Human HOPX Polyclonal Antibody | anti-HOPX antibody

HOPX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40710	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

HOPX; Polyclonal Antibody; HOPX Antibody; HOP homeobox; homeodomain-only protein; CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO; anti-HOPX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
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.
Purity/Purification	HOPX antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	112
Applicable Applications for anti-HOPX antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	HOPX antibody was raised against a 16 amino acid peptide near the amino terminus of human HOPX.
Buffer	HOPX antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	HOPX antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



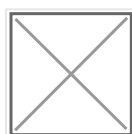
IF (Immunofluorescence)

Immunofluorescence of HOPX in human heart tissue with HOPX antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of HOPX in human heart tissue with HOPX antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of HOPX in human brain tissue lysate with HOPX antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-HOPX antibody	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).
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	224451025
NCBI GeneID	84525
NCBI Accession #	NP_001138932
NCBI GenBank Nucleotide #	NM_001145460.1
UniProt Accession #	Q9BPY8; Q8N0V6; Q96CI1; A8K0Z2; E9PB55; G3V294
Molecular Weight	Predicted: 12 kDa Observed: 183 kDa
NCBI Official Full Name	homeodomain-only protein isoform c
NCBI Official Synonym Full Names	HOP homeobox
NCBI Official Symbol	HOPX
NCBI Official Synonym Symbols	HOD; HOP; OB1; LAGY; TOTO; CAMEO; NECC1; SMAP31
NCBI Protein Information	homeodomain-only protein; odd homeobox 1 protein; odd homeobox protein 1; lung cancer-associated Y protein; not expressed in choriocarcinoma clone 1; not expressed in choriocarcinoma protein 1
UniProt Protein Name	Homeodomain-only protein
UniProt Gene Name	HOPX
UniProt Synonym Gene Names	HOD; HOP; LAGY; NECC1; OB1
UniProt Entry Name	HOP_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hopx-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40710>