HOPX Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HOPX, Polyclonal Antibody
Full Product Name	HOPX Polyclonal Conjugated Antibody
Product Gene Name	anti-HOPX antibody
Product Synonym Names	HOPX Conjugated Antibody; HOPX; CAMEO; HOD; HOP; LAGY; NECC1; OB1; SMAP31; TOTO; HOP homeobox
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	13kDa
OMIM	607275
3D Structure	ModBase 3D Structure for Q9BPY8
Immunogen	Recombinant fusion protein of human HOPX (NP_631957.1).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-HOPX antibody	Most Applications
Application Notes for anti-HOPX antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-HOPX antibody	The protein encoded by this gene is a homeodomain protein that lacks certain conserved residues required for DNA binding. It was reported that choriocarcinoma cell lines and tissues failed to express this gene, which suggested the possible involvement of this gene in malignant conversion of placental trophoblasts. Studies in mice suggest that this protein may interact with serum response factor (SRF) and modulate SRF-dependent cardiac-specific gene expression and cardiac development. Multiple alternatively spliced transcript variants have been identified for this gene.
Other Notes	Small volumes of anti-HOPX antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for HOPX purchase	MBS9440657 is an antibody targeting HOPX. Also known as HOPX Polyclonal Conjugated Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HOPX. It may not necessarily be applicable to this product.

NCBI GI #	21264587
NCBI GeneID	84525
NCBI Accession #	NP_631957.1
UniProt Primary Accession #	Q9BPY8
UniProt Related Accession #	Q9BPY8
GenBank Nucleotide #	NP_631957.1
NCBI Official Full Name	homeodomain-only protein isoform b
NCBI Official Synonym Full Names	HOP homeobox
NCBI Official Symbol	HOPX
NCBI Official Synonym Symbols	HOD; HOP; OB1; LAGY; TOTO; CAMEO; NECC1; SMAP31
UniProt Protein Name	Homeodomain-only protein
UniProt Synonym Protein Names	Lung cancer-associated Y protein; Not expressed in choriocarcinoma protein 1; Odd homeobox protein 1
Protein Family	Homeodomain-only protein
UniProt Gene Name	HOPX
UniProt Synonym Gene Names	HOD; HOP; LAGY; NECC1; OB1
UniProt Entry Name	HOP_HUMAN
NCBI Protein Information	homeodomain-only protein
Research Articles on HOPX	**1.** These data indicated that miR421 may act as an oncogene through the effects of HOPX on the Wnt/bcatenin signaling pathway and may provide insight into the mechanisms underlying carcinogenesis and the identification of potential biomarkers associated with nonsmall cell lung cancer (NSCLC).
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