

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

HOPX Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28463	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

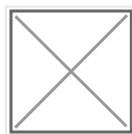
PRODUCT SYNONYMS

HOPX; Monoclonal Antibody; HOPX Rabbit PolymAb; HOD; HOP; OB1; LAGY; TOTO; CAMEO; NECC1; SMAP31; anti-HOPX antibody

PRODUCT SPECIFICATIONS

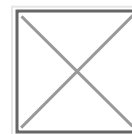
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSAETASGPT EDQVEILEYN FNKVDKHPDS TTLCLIAAEA GLSEETQKW FKQRLAKWRR SEGLPSECRS VTD
Applicable Applications for anti-HOPX antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:10000-1:40000 IHC-P: 1:600-1:6000 IF/ICC: 1:200-1:2000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-73 of human HOPX (NP_631957.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse kidney tissue using HOPX Rabbit PolymAb® (A15537-PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



ICC (Immunocytochemistry)

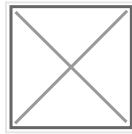
Confocal imaging of paraffin-embedded Mouse brain tissue using HOPX Rabbit PolymAb® (A15537-PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

**IHC (Immunohistochemistry)**

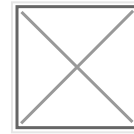
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using HOPX Rabbit PolymAb® (AAA28463) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using HOPX Rabbit PolymAb® (AAA28463) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using HOPX Rabbit PolymAb® (AAA28463) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human lung tissue using HOPX Rabbit PolymAb® (AAA28463) at a dilution of 1:6000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

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.
Product Categories/Family for anti-HOPX antibody	Epigenetics Nuclear Signaling ; Transcription Factors ; Cardiovascular ; Heart ; Cardiogenesis ; Hypertrophy ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	224451023
NCBI GeneID	84525
NCBI Accession #	NP_001138931.1
NCBI GenBank Nucleotide #	NM_001145459.1
UniProt Accession #	Q9BPY8; Q8N0V6; Q96CI1; A8K0Z2; E9PB55; G3V294
Molecular Weight	Calculated MW: 8kDa Observed MW: 15kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hopx-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28463>