

Product datasheet

Anti-HOPX/HOD antibody ab230544

1 References 3 Images

Overview

Product name	Anti-HOPX/HOD antibody
Description	Rabbit polyclonal to HOPX/HOD
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human HOPX/HOD aa 39-67 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q9BPY8
Positive control	IHC-P: Human kidney tissue. WB: Ramos, A2058 and HEK-293 cell lysate. Flow Cyt: HEK-293 cells.
General notes	This product was previously labelled as HOPX

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab230544** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 8 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt		1/10 - 1/50.

Target

Function Atypical homeodomain protein which does not bind DNA and is required to modulate cardiac growth and development. Acts via its interaction with SRF, thereby modulating the expression of SRF-dependent cardiac-specific genes and cardiac development. Prevents SRF-dependent transcription either by inhibiting SRF binding to DNA or by recruiting histone deacetylase (HDAC) proteins that prevent transcription by SRF. Overexpression causes cardiac hypertrophy (By similarity). May act as a tumor suppressor.

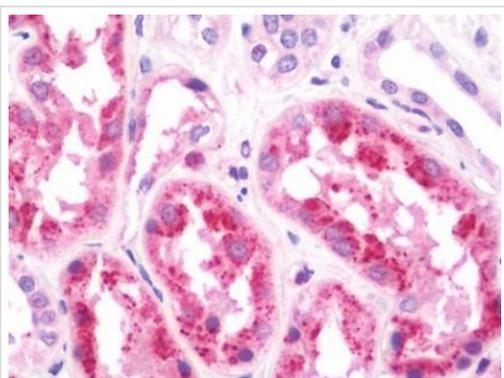
Tissue specificity Widely expressed. Expressed in the heart, brain, placenta, lung, skeletal and smooth muscles, uterus, urinary bladder, kidney and spleen. Down-regulated in some types of cancer such as lung cancer, choriocarcinoma, head and neck squamous cell carcinoma and oral squamous cell carcinoma.

Sequence similarities Contains 1 homeobox DNA-binding domain.

Cellular localization Nucleus.

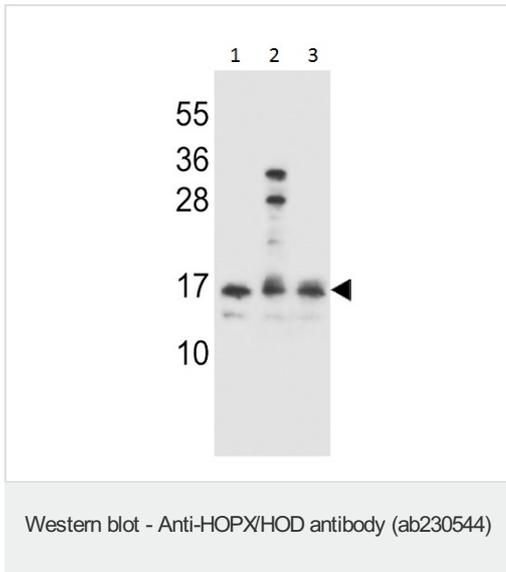
Form There are 2 isoforms produced by alternative splicing.

Images



Formalin-fixed, paraffin-embedded human kidney tissue stained for HOPX/HOD with ab230544 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HOPX/HOD antibody (ab230544)



All lanes : Anti-HOPX/HOD antibody (ab230544) at 1/1000 dilution

Lane 1 : Ramos (human Burkitt's lymphoma cell line) cell lysate

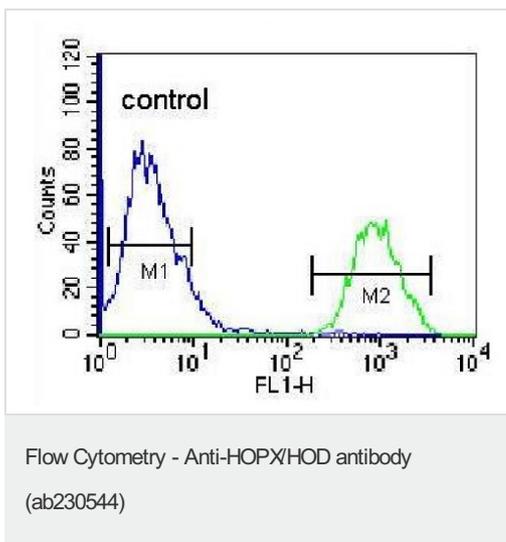
Lane 2 : A2058 cell lysate

Lane 3 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Lysates/proteins at 35 µg per lane.

Developed using the ECL technique.

Predicted band size: 8 kDa



Flow Cytometry analysis of HEK-293 (Human epithelial cell line from embryonic kidney) cells, labeling HOPX/HOD with ab230544 at a 1/10 dilution (green) compared to a negative control (blue).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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