

**Product Name: HOPX Rabbit Monoclonal antibody**  
**Catalog #: AMRe02111**



## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | HOPX Rabbit Monoclonal antibody        |
| <b>Description</b>     | Recombinant Rabbit Monoclonal antibody |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,IP                                  |
| <b>Reactivity</b>      | Human                                  |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| <b>Purification</b> | Affinity Purified  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | Hopx   |
| <b>Alternative Names</b> | Hod; Hop; Ob1; Obl; Hdop; Toto; Cameo; AI848177; AW490897; 1110018K11Rik; 1200015P04Rik; 2300002F06Rik |
| <b>Gene ID</b>           | 74318.0  |
| <b>SwissProt ID</b>      | Q8R1H0.  |

## Application

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000 IP: 1:20                 |
| <b>Molecular Weight</b> | Calculated MW: 8 kDa; Observed MW: 12 kDa |

## Background

**Product Name: HOPX Rabbit Monoclonal antibody**  
**Catalog #: AMRe02111**

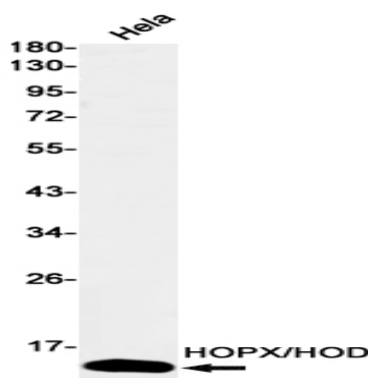


Atypical homeodomain protein which does not bind DNA and is required to modulate cardiac growth and development. Acts via its interaction with SRF, thereby modulating the expression of SRF-dependent cardiac-specific genes and cardiac development. Prevents SRF-dependent transcription either by inhibiting SRF binding to DNA or by recruiting histone deacetylase (HDAC) proteins that prevent transcription by SRF. Overexpression causes cardiac hypertrophy (PubMed:12297045, PubMed:12297046). Acts as a co-chaperone for HSPA1A and HSPA1B chaperone proteins and assists in chaperone-mediated protein refolding .

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of HOPX/HOD in HeLa lysates using HOPX antibody.

## Note

For research use only.