

**HOPX Rabbit mAb**  
Catalog # AP75567**Specification**

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**HOPX Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">Q8R1H0</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	8282

**HOPX Rabbit mAb - Additional Information**

Gene ID 74318

**Other Names**

Hopx

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**HOPX Rabbit mAb - Protein Information**

Name Hopx

Synonyms Hod, Hop, Ob1

**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 (PubMed:<a href="http://www.uniprot.org/citations/12297045" target="\_blank">12297045</a>, PubMed:<a href="http://www.uniprot.org/citations/12297046" target="\_blank">12297046</a>). Acts as a co-chaperone for HSPA1A and HSPA1B chaperone proteins and assists in chaperone-mediated protein refolding (By similarity).

**Cellular Location**

Nucleus. Cytoplasm. Note=According to PubMed:14516659 it is cytoplasmic.

**Tissue Location**

Expressed in the embryonic and adult heart and in the adult brain, liver, lung, skeletal muscle, intestine and spleen Throughout embryonic and postnatal development, it is expressed in the

myocardium.

### HOPX Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HOPX Rabbit mAb - Images

