

HOPX Rabbit mAb

Catalog # AP75567

Specification

HOPX Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IP
O8R1H0
Human
Rabbit

Monoclonal Antibody

8282

HOPX Rabbit mAb - Additional Information

Gene ID 74318

Other Names

Hopx

Dilution

WB~~1/500-1/1000

IP~~N/A

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:12297045, PubMed:12297046). Acts as a co-chaperone for HSPA1A and HSPA1B chaperone proteins and assists in chaperone-mediated protein refolding (By similarity).

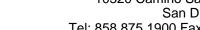
Cellular Location

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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HOPX Rabbit mAb - Images

