Datasheet for ABIN6242849

anti-HOPX antibody (AA 22-54)

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Overview

Quantity:	400 µL
Target:	HOPX
Binding Specificity:	AA 22-54
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOPX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Mouse Hopx antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 22-54 amino acids from the Central region of Mouse Hopx.
Clone:	RB51159
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HOPX
Alternative Name:	Hopx (HOPX Products)
Background:	Atypical homeodomain protein which does not bind DNA and is required to modulate cardiac

Target Details

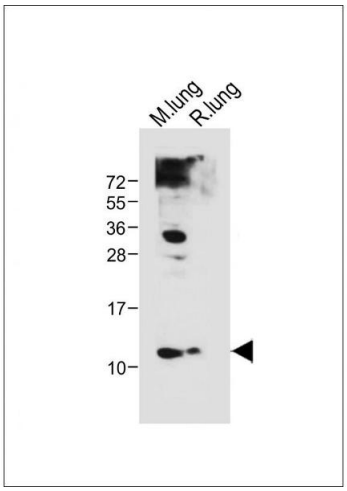
	growth and development. Acts via its interaction with SRF, thereby modulating the expression of SRF-dependent cardiac-specific genes and cardiac development. Prevents SRF-dependent transcription either by inhibiting SRF binding to DNA or by recruiting histone deacetylase (HDAC) proteins that prevent transcription by SRF. Overexpression causes cardiac hypertrophy.
Molecular Weight:	8282
UniProt:	Q8R1H0
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. All lanes : Anti-(Mouse) Hopx Antibody (Center) at 1:1000 dilution Lane 1: Mouse lung tissue lysate Lane 2: Rat lung tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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