

Datasheet for ABIN391406
anti-MEOX1 antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	MEOX1
Binding Specificity:	AA 7-38, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This MOX1 (Meox1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-38 amino acids from the N-terminal region of human MOX1 (Meox1).
Clone:	RB10382
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MEOX1
Alternative Name:	MOX1 (Meox1) (MEOX1 Products)

Target Details

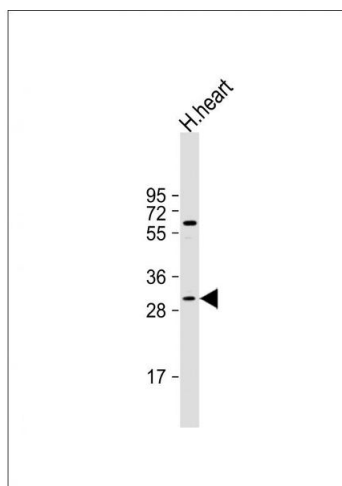
Background:	Meox1 is a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. This protein may play a role in the molecular signaling network regulating somite development.
Molecular Weight:	27997
Gene ID:	4222
NCBI Accession:	NP_001035091 , NP_004518 , NP_054705
UniProt:	P50221
Pathways:	Chromatin Binding

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

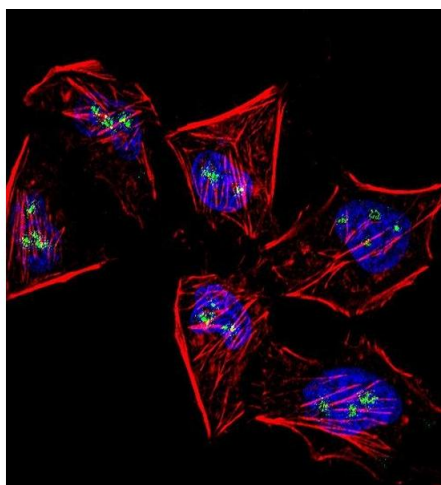
Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



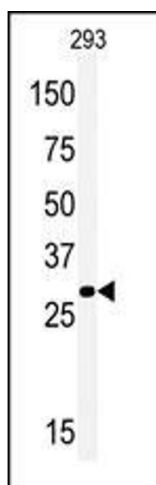
Western Blotting

Image 1. Anti-Meox1 (Human N-term) at 1:1000 dilution + human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa. Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunofluorescence

Image 2. Fluorescent confocal image of HeLa cell stained with Meox1 (Human N-term) (ABIN391406 and ABIN2841406). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with Meox1 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). Meox1 immunoreactivity is localized to Nucleolus significantly.



Western Blotting

Image 3. Western blot analysis of anti-Meox1 Antibody (N-term) (ABIN391406 and ABIN2841406) in 293 cell line lysates (35 µg/lane). Meox1 (arrow) was detected using the purified Pab.