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Datasheet for ABIN6141942
anti-HOXB1 antibody (AA 35-180)

2 Images

Overview

Quantity:	100 µL
Target:	HOXB1
Binding Specificity:	AA 35-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOXB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 35-180 of human HOXB1 (NP_002135.2).
Sequence:	SAQAVDSYAS EGRYGGGLSS PAFQQNSGY P AQQPPSTLGV PFPSSAPSGY APAACSPSYG PSQYYPLGQS EGDGGYFHPS SYGAQLGGLS DGYGAGGAGP GPYPPQHPPY GNEQTASFAP AYADLLSEDK ETPCPSEPNT PTARTF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

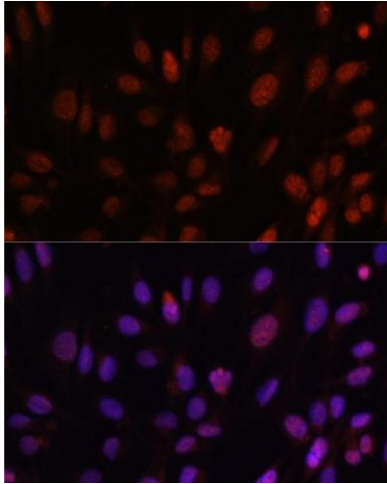
Target:	HOXB1
Alternative Name:	HOXB1 (HOXB1 Products)
Background:	This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17.,HOXB1,HCFP3,HOX2,HOX2I,Hox-2.9,Epigenetics & Nuclear Signaling,Transcription Factors,HOXB1
Molecular Weight:	24 kDa/32 kDa
Gene ID:	3211
UniProt:	P14653

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

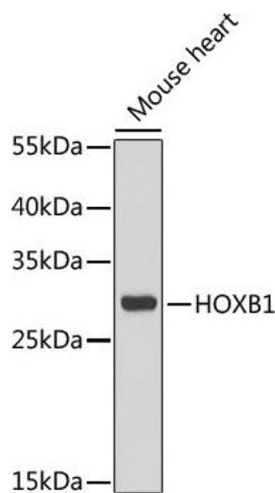
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using HOXB1 antibody (ABIN6128032, ABIN6141942, ABIN6141943 and ABIN6222309) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of mouse heart, using HOXB1 antibody (ABIN6128032, ABIN6141942, ABIN6141943 and ABIN6222309) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.