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Datasheet for ABIN6991420 **anti-MEOX1 antibody (AA 140-190)**

Overview

Quantity:	0.1 mg
Target:	MEOX1
Binding Specificity:	AA 140-190
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEOX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	MOX1 antibody was raised against a 19 amino acid synthetic peptide near the center of human MOX1. The immunogen is located within amino acids 140 - 190 of MOX1.
Isotype:	IgG
Purification:	MOX1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MEOX1
Alternative Name:	MOX1 (MEOX1 Products)
Background:	MOX1 Antibody: MOX1, also known as MEOX1, is a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes that is first expressed during gastrulation in the early mesoderm and later in presomitic mesoderm, early somites,

Target Details

dermomyotome and sclerotome. Both MOX1 and the related protein MOX2 are required for proper gene expression in all somitic compartments. MOX1 is an upstream regulator of the transcription factors Bapx1, Tbx18, and Uncx and is thus part of a regulatory circuit that functions in the maintenance of rostrocaudal sclerotome polarity and axial skeleton formation.

Gene ID: 4222

NCBI Accession: [NP_004518](#)

UniProt: [P50221](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: MOX1 antibody can be used for detection of MOX1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MOX1 Antibody is supplied in PBS containing 0.02 % 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: -20 °C, 4 °C

Storage Comment: MOX1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.