

DATASHEET

MEOX2 Rabbit Polyclonal Antibody

CAT. NO. APA07256

KEY FEATURES

Target	MEOX2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Mesodermal transcription factor that plays a key role in somitogenesis and somitogenesis and limb muscle differentiation . Required during limb development for normal appendicular muscle formation and for the normal regulation of myogenic genes . May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle . Also acts as a negative regulator of angiogenesis . Activates expression of CDKN1A and CDKN2A in endothelial cells, acting as a regulator of vascular cell proliferation . While it activates CDKN1A in a DNA-dependent manner, it activates CDKN2A in a DNA-independent manner . Together with TCF15, regulates transcription in heart endothelial cells to regulate fatty acid transport across heart endothelial cells .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to MEOX2
Specificity	Recognizes endogenous levels of MEOX2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MEOX2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 33 kD; Observed: 34 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GAX; MOX2; Homeobox protein MOX-2; Growth arrest-specific homeobox; Mesenchyme homeobox 2
Gene Symbol	MEOX2
Entrez Gene	4223(Human); 17286(Mouse); 29279(Rat)
SwissProt	P50222(Human); P32443(Mouse); P39020(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

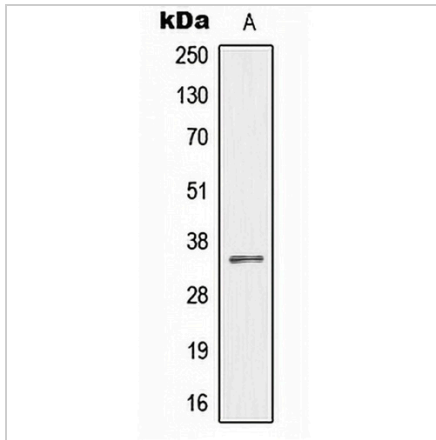
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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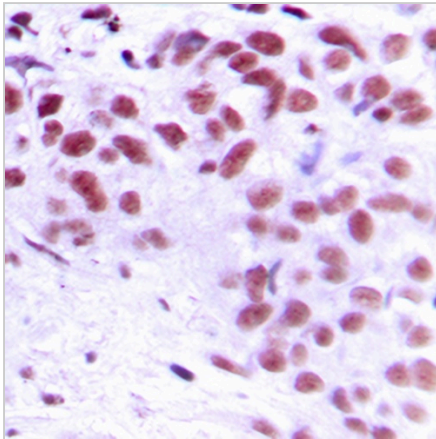
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DATA



Western blot analysis of MEOX2 expression in HeLa (A) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 34 kD)



Immunohistochemical analysis of MEOX2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.