

ARG65817 anti-MEOX2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MEOX2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Pig
Tested Application	IHC-P, WB
Specificity	Recognizes endogenous levels of MEOX2 protein.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MEOX2
Species	Human
Immunogen	KLH-conjugated synthetic peptide around the center region of Human MEOX2.
Conjugation	Un-conjugated
Alternate Names	Mesenchyme homeobox 2; Homeobox protein MOX-2; Growth arrest-specific homeobox; MOX2; GAX

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Sodium citrate buffer (10mM, pH 6.0), Boiling bathing for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

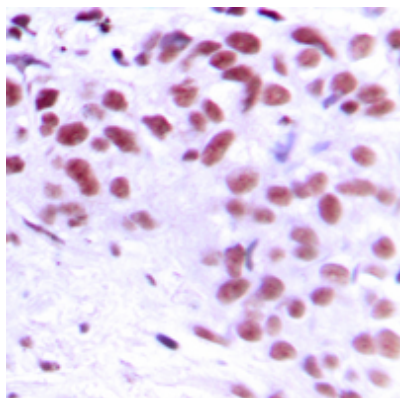
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	Liquid (pH 7.3), 0.42% Potassium phosphate, 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

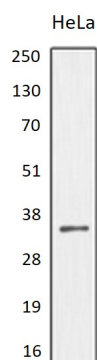
Database links	GeneID: 4223 Human Swiss-port # P50222 Human
Gene Symbol	MEOX2
Gene Full Name	mesenchyme homeobox 2
Background	This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the regulation of vertebrate limb myogenesis. Mutations in the related mouse protein may be associated with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimer's disease. [provided by RefSeq, Jul 2008]
Function	Mesodermal transcription factor that plays a key role in somitogenesis and is required for sclerotome development (By similarity). 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. May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle. [UniProt]
Calculated Mw	34 kDa

Images



ARG65817 anti-MEOX2 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue section. Antigen retrieval: Sodium citrate buffer (10mM, pH 6.0), Boiling bathing for 20 min. The section was stained with ARG65817 anti-MEOX2 antibody at RT 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.



ARG65817 anti-MEOX2 antibody WB image

Western blot: HeLa whole cell lysates stained with ARG65817 anti-MEOX2 antibody.