

Rabbit MEOX2 Polyclonal Antibody | anti-MEOX2 antibody

MEOX2 Antibody (Center)

CATALOG # AAA287745	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Western Blot, ELISA, Immunofluorescence
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PRODUCT SYNONYMS

MEOX2; Polyclonal Antibody; MEOX2 Antibody (Center); Homeobox protein MOX-2; Growth arrest-specific homeobox; Mesenchyme homeobox 2; GAX; MOX2; anti-MEOX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MEOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-192 amino acids from the Central region of human MEOX2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	164-192
Sequence Length	304
Applicable Applications for anti-MEOX2 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

MEOX2 Antibody (Center) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the MEOX2 Antibody detected the MEOX2 protein (arrow).



IF (Immunofluorescence)

Fluorescent image of NIH-3T3 cell stained with MEOX2 Antibody (Center). NIH-3T3 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with MEOX2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). MEOX2 immunoreactivity is localized to Nucleus significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-MEOX2 antibody	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.
Product Categories/Family for anti-MEOX2 antibody	Cardiovascular; Neuroscience
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Ohshima, J., et al. Genes Chromosomes Cancer 48(12):1037-1050(2009) Irelan, J.T., et al. PLoS ONE 4 (4), E5067 (2009) : Chen, Y., et al. Blood 111(3):1217-1226(2008) Valcourt, U., et al. Mol Oncol 1(1):55-71(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	84105335
NCBI GeneID	4223
NCBI Accession #	NP_005915.2
NCBI GenBank Nucleotide #	NM_005924.4
UniProt Accession #	P50222; O75263; Q9UPL6; B2R8I7
Molecular Weight	33594
NCBI Official Full Name	homeobox protein MOX-2
NCBI Official Synonym Full Names	mesenchyme homeobox 2
NCBI Official Symbol	MEOX2
NCBI Official Synonym Symbols	GAX; MOX2
NCBI Protein Information	homeobox protein MOX-2
UniProt Protein Name	Homeobox protein MOX-2
UniProt Gene Name	MEOX2
UniProt Synonym Gene Names	GAX; MOX2
UniProt Entry Name	MEOX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/meox2-antibody-western-blot-immunofluorescence-elisa/287745>