

## Product datasheet for **AM31128PU-N**

### **MEOX 2 (MEOX2) (1-304) Mouse Monoclonal Antibody [Clone ID: 6A5]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	6A5
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence:</b> 10 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MEOX2 (AAH17021, 1 a.a. ~ 304 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Specificity:	This antibody reacts to MEOX2 at aa 1-304.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mesenchyme homeobox 2
Database Link:	<a href="#">Entrez Gene 17286 Mouse</a> <a href="#">Entrez Gene 29279 Rat</a> <a href="#">Entrez Gene 4223 Human P50222</a>



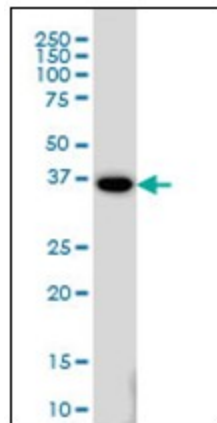
[View online »](#)

**Background:** 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 (PubMed:22206000). May have a regulatory role when quiescent vascular smooth muscle cells reenter the cell cycle.

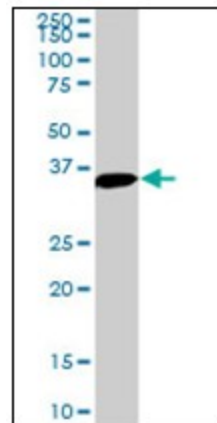
**Synonyms:** GAX, MOX2, Growth arrest-specific homeobox, Mesenchyme homeobox 2, Homeobox protein MOX-2

**Protein Families:** Transcription Factors

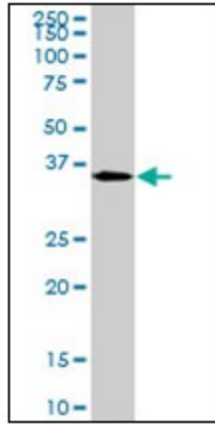
**Product images:**



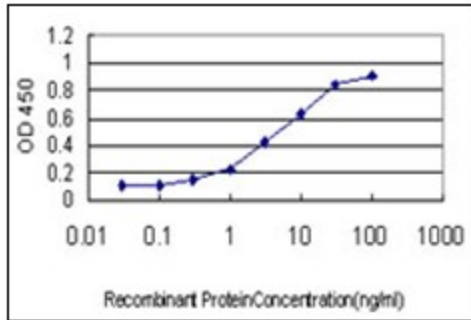
MEOX2 monoclonal antibody clone 6A5 Western Blot analysis of MEOX2 expression in HeLa.



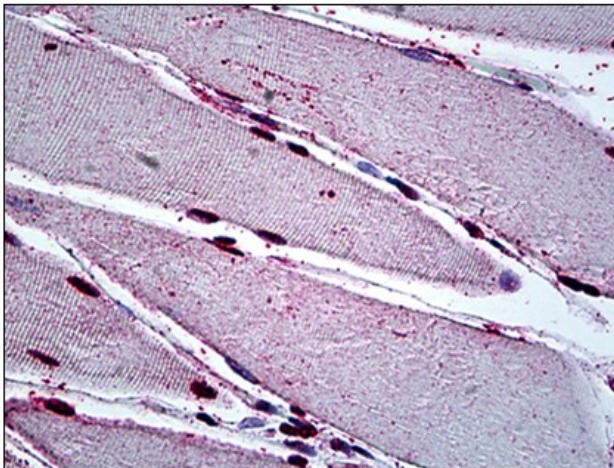
MEOX2 monoclonal antibody clone 6A5. Western Blot analysis of MEOX2 expression in PC-12.



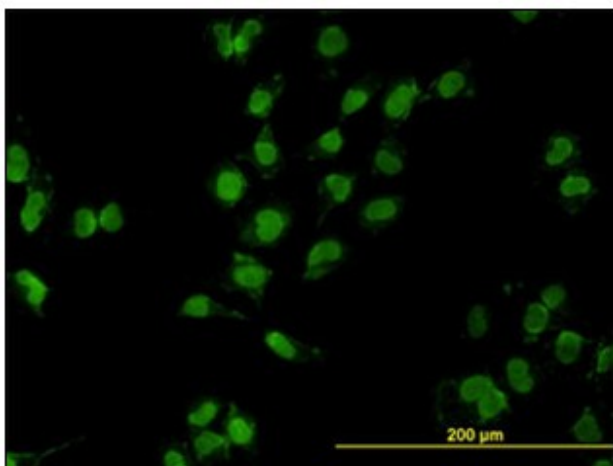
MEOX2 monoclonal antibody clone 6A5. Western Blot analysis of MEOX2 expression in NIH/3T3.



Detection limit for recombinant GST tagged MEOX2 is approximately 0.3ng/ml as a capture antibody.



Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of monoclonal antibody to MEOX2 on HeLa cell. [antibody concentration 10 ug/ml]