

## Product datasheet for **CF812722**

### HOXA2 Mouse Monoclonal Antibody [Clone ID: OTI10B10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10B10
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 57-319 of human HOXA2 (NP_006726) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40.8 kDa
Gene Name:	homeobox A2
Database Link:	<a href="#">NP_006726</a> <a href="#">Entrez Gene 15399 Mouse</a> <a href="#">Entrez Gene 103690123 Rat</a> <a href="#">Entrez Gene 3199 Human</a> <a href="#">O43364</a>



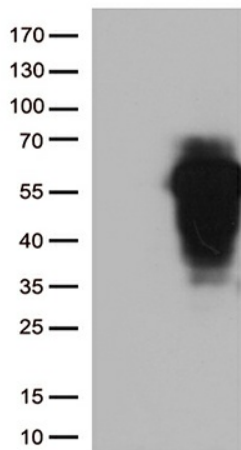
[View online »](#)

**Background:**

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. [provided by RefSeq, Jul 2008]

**Synonyms:**

HOX1K; MCOHI

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HOXA2 (Cat# [RC224317], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HOXA2 (Cat# [TA812722])(1:500). Positive lysates [LY402018] (100ug) and [LC402018] (20ug) can be purchased separately from OriGene.