

HMX2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7266b

Product Information

Application	WB, E
Primary Accession	P43687
Other Accession	Q8JJ64 , P42581 , A6NHT5 , Q504H8 , O57601 , A2RU54 , NP_666110
Reactivity	Mouse
Predicted	Human, Chicken, Zebrafish, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB10369
Calculated MW	29634
Antigen Region	149-180

Additional Information

Gene ID	15372
Other Names	Homeobox protein HMX2, Homeobox protein Nkx-52, Hmx2, Nkx-52, Nkx5-2
Target/Specificity	This HMX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 149-180 amino acids of mouse HMX2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HMX2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Hmx2
Synonyms	Nkx-5.2, Nkx5-2
Function	Transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development.

Cellular Location

Nucleus.

Tissue Location

Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development.

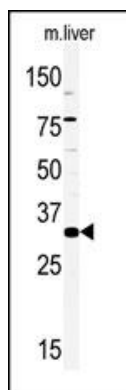
Background

Homeobox genes represent a class of transcription factors that play key roles in the regulation of embryogenesis and development. Here we report the identification of a homeobox-containing gene family that is highly conserved at both the nucleotide and amino acid levels in a diverse number of species. These species encompass both vertebrate and invertebrate phylogenies, ranging from *Homo sapiens* to *Drosophila melanogaster*.

References

Wang,W., Dev. Cell 7 (3), 439-453 (2004)

Images



Western blot analysis of anti-Hmx2 Antibody (C-term) (Cat. #AP7266b) in mouse liver tissue lysates (35ug/lane). Hmx2(arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.