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# HMX2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7266b

## Product Information

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

## Additional Information

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| **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

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|---|---|
| **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. |

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|---|---|
| **Cellular Location** | Nucleus. |
| **Tissue Location** | Expressed in the developing CNS, including a specific expression in vestibular structures throughout inner ear development. |

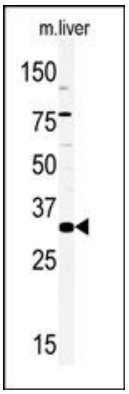
## Background

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'.