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# Bapx1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11039

## Product Information

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| **Application** | WB |
| **Primary Accession** | P97503 |
| **Other Accession** | NM_007524, NP_031550 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine |
| **Predicted** | Rat, Zebrafish, Pig, Dog, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 35167 |

## Additional Information

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| **Gene ID** | 12020 |
| **Alias Symbol** | NKX3.2, Nkx-3.2, Nkx3-2, Bapx1 |
| **Other Names** | Homeobox protein Nkx-3.2, Bagpipe homeobox protein homolog 1, Homeobox protein NK-3 homolog B, Nkx3-2, Bapx1, Nkx-3.2, Nkx3b |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-Bapx1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | Bapx1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

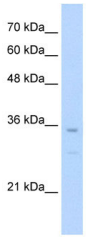
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| **Name** | Nkx3-2 |
| **Synonyms** | Bapx1, Nkx-3.2, Nkx3b |
| **Function** | Transcriptional repressor that acts as a negative regulator of chondrocyte maturation. PLays a role in distal stomach development; required for proper antral-pyloric morphogenesis and development of antral-type epithelium. In concert with GSC, defines the structural components of the middle ear; required for tympanic ring and gonium development and in the regulation of the width of the malleus. |
| **Cellular Location** | Nucleus. |

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| **Tissue Location** | Expressed widely in mesoderm at the gastroduodenal junction (at protein level). Expressed in visceral mesoderm and embryonic skeleton. Expression is restricted to immature proliferative chondrocytes during endochondral ossification |

## References

Provot,S., (2006) Development 133 (4), 651-662 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## Images




WB Suggested Anti-Bapx1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate

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