# NKX3-2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | NKX3-2, Polyclonal Antibody |
| **Full Product Name** | NKX3-2 Antibody, HRP conjugated |
| **Product Gene Name** | anti-NKX3-2 antibody |
| **Product Synonym Names** | Homeobox protein Nkx-3.2; Bagpipe homeobox protein homolog 1; Homeobox protein NK-3 homolog B; NKX3-2; BAPX1; NKX3B |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid |
| **Purity/Purification** | >95%, Protein G purified |
| **Preparation and Storage** | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Matching Pairs** | Unconjugated Antibody: NKX3-2 (MBS7105793)<br>HRP Conjugated Antibody: NKX3-2 (MBS7105794) |
| **Molecular Weight** | 34,814 Da |
| **OMIM** | AF005260 Genomic DNA |
| **3D Structure** | ModBase 3D Structure for P78367 |
| **Immunogen** | Recombinant Human Homeobox protein Nkx-3.2 protein (1-333AA) |
| **Conjugation** | HRP |
| **Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| **Product Categories/Family for anti-NKX3-2 antibody** | Epigenetics and Nuclear Signaling |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-NKX3-2 antibody** | ELISA (EIA) |
| **Related Product Information for anti-NKX3-2 antibody** | 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 (By similarity). |
| **Other Notes** | Small volumes of anti-NKX3-2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for NKX3-2 purchase** | MBS7105794 is an antibody targeting NKX3-2. Also known as NKX3-2 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NKX3-2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 4502365 |
| **NCBI GeneID** | 579 |
| **NCBI Accession #** | NP_001180.1 |
| **UniProt Primary Accession #** | P78367 |
| **UniProt Secondary Accession #** | Q2M2I7 |
| **UniProt Related Accession #** | P78367 |
| **GenBank Nucleotide #** | NM_001189.3 |
| **NCBI Official Full Name** | homeobox protein Nkx-3.2 |
| **NCBI Official Synonym Full Names** | NK3 homeobox 2 |
| **NCBI Official Symbol** | NKX3-2 |
| **NCBI Official Synonym Symbols** | SMMD; BAPX1; NKX3B; NKX3.2 |
| **UniProt Protein Name** | Homeobox protein Nkx-3.2 |
| **UniProt Synonym Protein Names** | Bagpipe homeobox protein homolog 1; Homeobox protein NK-3 homolog B |
| **Protein Family** | Homeobox protein |
| **UniProt Gene Name** | NKX3-2 |
| **UniProt Synonym Gene Names** | BAPX1; NKX3B |
| **NCBI Protein Information** | homeobox protein Nkx-3.2 |
| **NCBI Summary for NKX3-2** | This gene encodes a member of the NK family of homeobox-containing proteins. The encoded protein may play a role in skeletal development. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for NKX3-2** | 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 (). |
| **Research Articles on NKX3-2** | **1.** post-translational modification of Nkx3.2 employing HDAC9-PIASy-RNF4 axis plays a crucial role in controlling chondrocyte viability and hypertrophic maturation during skeletal development in vertebrates. |
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