NKX3-2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NKX3-2, Polyclonal Antibody
Full Product Name	NKX3-2 Antibody, FITC 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) FITC Conjugated Antibody: NKX3-2 (MBS7105795)
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	FITC
Buffer	Preservative: 0.03% Proclin 300 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	MBS7105795 is an antibody targeting NKX3-2. Also known as NKX3-2 Antibody, FITC 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.

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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