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NKX3-2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17702c

Specification

NKX3-2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P78367
Other Accession	P70061, P97503, NP_001180.1
Reactivity	**Human**
Predicted	**Mouse, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**34814**
Antigen Region	**3-2**

NKX3-2 Antibody (Center) - Additional Information

Gene ID 579

Other Names
Homeobox protein Nkx-32, Bagpipe homeobox protein homolog 1, Homeobox protein NK-3 homolog B, NKX3-2, BAPX1, NKX3B

Target/Specificity
This NKX3-2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 208-235 amino acids from the Central region of human NKX3-2.

Dilution
WB~~1:1000

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
NKX3-2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NKX3-2 Antibody (Center) - Protein Information

Name NKX3-2

Synonyms BAPX1, 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 (By similarity).

Cellular Location
Nucleus.

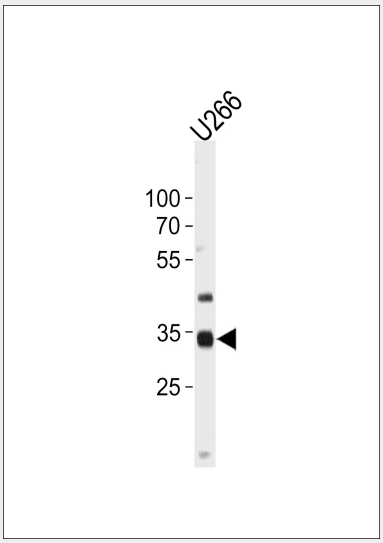
Tissue Location
Expressed at highest levels in cartilage, bone (osteosarcoma) and gut (small intestine and colon), whereas moderate expression is seen in trachea and brain. Expressed in visceral mesoderm and embryonic skeleton.

NKX3-2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NKX3-2 Antibody (Center) - Images



NKX3-2 Antibody (Center) (Cat. #AP17702c) western blot analysis in U266 cell line lysates (35ug/lane).This demonstrates the NKX3-2 antibody detected the NKX3-2 protein (arrow).

NKX3-2 Antibody (Center) - Background

This gene encodes a member of the NK family of

homeobox-containing proteins. The encoded protein may play a role in skeletal development.

NKX3-2 Antibody (Center) - References

Hellemans, J., et al. Am. J. Hum. Genet. 85(6):916-922(2009)
Rodrigo, I., et al. Mol. Cell. Biol. 24(7):2757-2766(2004)
Tribioli, C., et al. Gene 203(2):225-233(1997)
Yoshiura, K.I., et al. Genomics 45(2):425-428(1997)
Tribioli, C., et al. Mech. Dev. 65 (1-2), 145-162 (1997) :