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NKX3-2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17702c

Product Information

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

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

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.

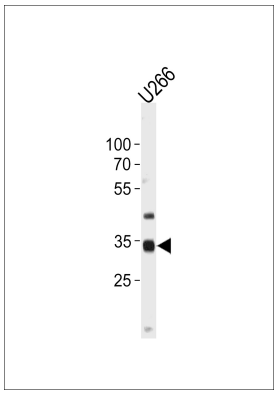
Background

This gene encodes a member of the NK family of homeobox-containing proteins. The encoded protein may play a role in skeletal development.

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) :

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).

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