

**NKX3-2 / BAPX1 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14766****Specification**

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**NKX3-2 / BAPX1 Antibody (Internal) - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P78367</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

**NKX3-2 / BAPX1 Antibody (Internal) - Additional Information****Gene ID** 579**Other Names**

Homeobox protein Nkx-3.2, Bagpipe homeobox protein homolog 1, Homeobox protein NK-3 homolog B, NKX3-2, BAPX1, NKX3B

**Target/Specificity**

Human NKX3-2 / BAPX1. BAPX1 antibody is predicted not to cross-react with other NKX homeobox proteins.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

NKX3-2 / BAPX1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**NKX3-2 / BAPX1 Antibody (Internal) - 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.

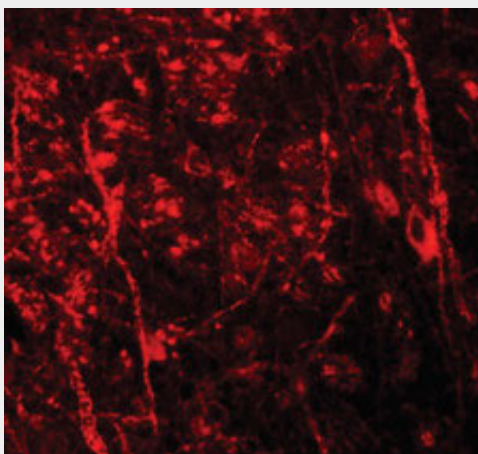
**Tissue Location**

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.

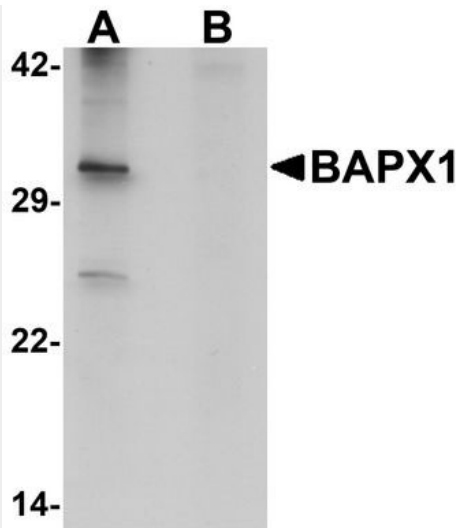
**NKX3-2 / BAPX1 Antibody (Internal) - Protocols**

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

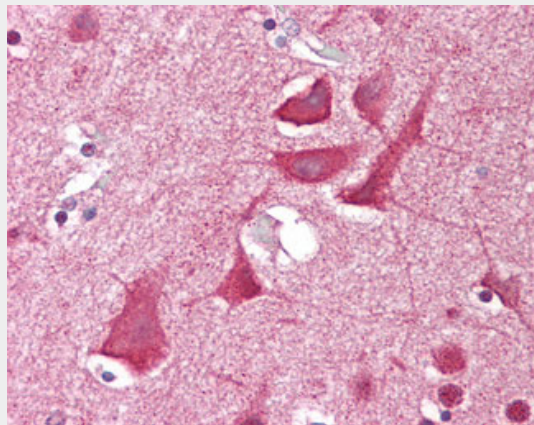
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NKX3-2 / BAPX1 Antibody (Internal) - Images**

Immunofluorescence of BAPX1 in mouse brain tissue with BAPX1 antibody at 20 ug/ml.



Western blot analysis of BAPX1 in human brain tissue lysate with BAPX1 antibody at 1 ug/ml in...



Anti-NKX3-2 antibody IHC of human brain, cortex.

#### **NKX3-2 / BAPX1 Antibody (Internal) - Background**

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).

#### **NKX3-2 / BAPX1 Antibody (Internal) - References**

- Tribioli C.,et al.Gene 203:225-233(1997).
- Yoshiura K.,et al.Genomics 45:425-428(1997).
- Tribioli C.,et al.Mech. Dev. 65:145-162(1997).
- Hellemans J.,et al.Am. J. Hum. Genet. 85:916-922(2009).