

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

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

|                   |                        |
|-------------------|------------------------|
| Application       | IF, WB, IHC            |
| Primary Accession | <a href="#">P78367</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 35kDa KDa              |

**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

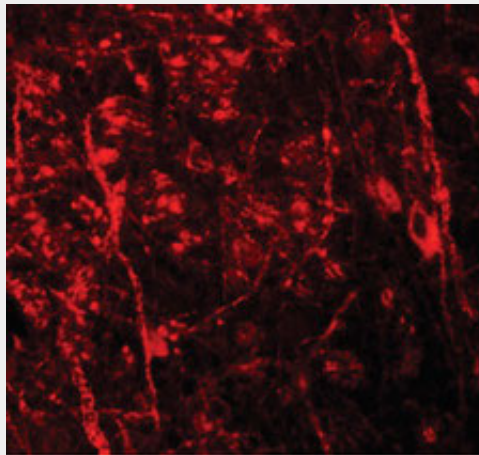
Expressed at highest levels in cartilage, bone (osteosarcoma) and gut (small intestine and colon), whereas moderate expression is seen in trachea and brain. Expressed in visceral mesoderm and embryonic skeleton.

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

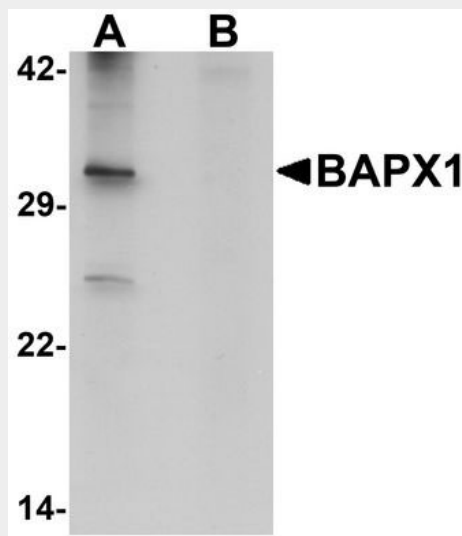
Provided below are standard protocols that you may find useful for product applications.

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

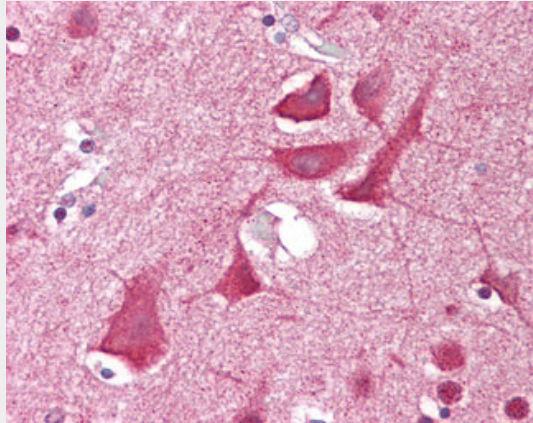
### NKX3-2 / BAPX1 Antibody (Internal) - Images



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**

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### **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).