

## Product datasheet for **TA355874**

### **Nkx3-1 Rabbit Polyclonal Antibody**

#### **Product data:**

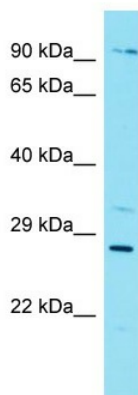
Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Mouse Nkx3-1
Specificity:	<b>Expected reactivity:</b> Mouse <b>Homology:</b> Mouse: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	27kDa
Gene Name:	NK-3 transcription factor, locus 1 (Drosophila)
Database Link:	<a href="#">NP_035051</a> <a href="#">Entrez Gene 18095 Mouse P97436</a>



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**Background:**

Nkx3-1 is a transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. It plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Nkx3-1 acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to suppress growth and tumorigenicity of prostate carcinoma cells and plays a role in the formation of minor salivary glands (particularly palatine and lingual glands). It is essential for appropriate differentiation and secretory function of the bulbourethral gland.

**Product images:**

Host: Rabbit  
Target Name: Nkx3-1  
Sample Type: Mouse Lung lysates  
Antibody Dilution: 1.0ug/ml