

## ARG45117 anti-Nkx 3.1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Nkx 3.1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nkx 3.1
Species	Human
Immunogen	Recombinant protein containing a sequence within amino acids 1-80 of Human Nkx 3.1
Conjugation	Un-conjugated
Alternate Names	NKX3-1; NK3 Homeobox 1; NKX3.1; BAPX2; NKX3A; Homeobox Protein NK-3 Homolog A; Homeobox Protein Nkx-3.1; NK3 Transcription Factor Related, Locus 1 (Drosophila); NK3 Transcription Factor Related, Locus 1; NK Homeobox (Drosophila), Family 3, A; NK3 Transcription Factor Homolog A; NK Homeobox, Family 3, A; NKX3

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

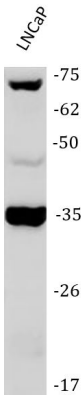
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.05% Proclin300 and 50% Glycerol.
Preservative	0.05% Proclin300
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NKX3-1
Gene Full Name	NK3 Homeobox 1
Background	This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of this gene is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jan 2012]
Function	Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells. [Unuprot]
Calculated Mw	26 kDa
PTM	Ubl conjugation. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG45117 anti-Nkx 3.1 antibody WB image

Western blot: LNCaP stained with ARG45117 anti-Nkx 3.1 antibody at 1:400 dilution.