

For Research Use Only

NKX3-1 Recombinant monoclonal antibody

Catalog Number: 86085-1-RR



Basic Information

Catalog Number: 86085-1-RR	GenBank Accession Number: BC074864	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4824	CloneNo.: 250402B8
Source: Rabbit	UNIPROT ID: Q99801	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	Full Name: NK3 homeobox 1	
Immunogen Catalog Number: AG4070	Calculated MW: 234 aa, 26 kDa	
	Observed MW: 34-38 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : LNCaP cells,
Species Specificity: human	

Background Information

NKX3-1, also named as NKX3.1 and NKX3A, belongs to the NK-3 homeobox family. It is a transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. NKX3-1 plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. It act as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells(PMID:19462257). The calculated molecular weight of NKX3-1 is 26 kDa, but modified NKX3-1 is about 32-35 kDa. (PMID: 18597829)

Storage

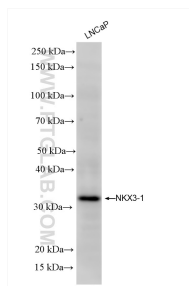
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



LNCaP cells were subjected to SDS PAGE followed by western blot with 86085-1-RR (NKX3-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.