

For Research Use Only

NKX3-1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86085-1-PBS



Basic Information

Catalog Number: 86085-1-PBS	GenBank Accession Number: BC074864	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4824	CloneNo.: 250402B8
Source: Rabbit	UNIPROT ID: Q99801	
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, Indirect ELISA

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

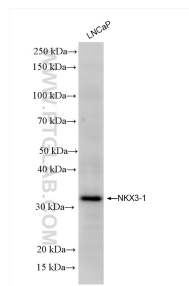
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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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. This data was developed using the same antibody clone with 86085-1-PBS in a different storage buffer formulation.