

Product datasheet for **TA301499**

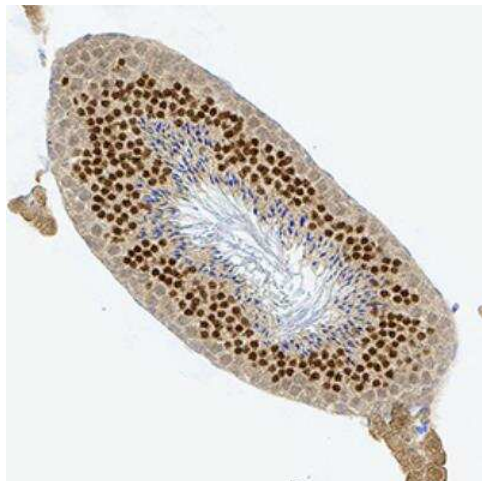
Nkx3.1 (NKX3-1) Mouse Monoclonal Antibody

Product data:

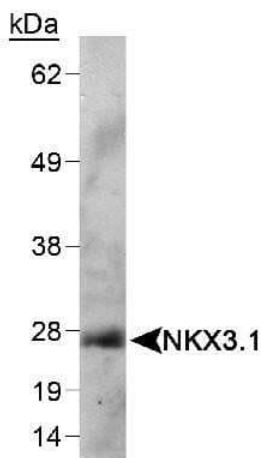
Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Immunohistochemistry: 1:100, Immunoprecipitation: 1:10-1:500, Western Blot: 2 ug/ml, Immunohistochemistry-Paraffin: 1:100, Immunohistochemistry-Frozen: 1:100, Knockdown Validated
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	This antibody was raised against human Nkx3.1 full-length protein produced in bacteria as a hexahistidine-tagged protein.
Formulation:	PBS, pH 7.4 and 0.1% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NK3 homeobox 1
Database Link:	NP_006158 Entrez Gene 18095 Mouse Entrez Gene 4824 Human Q99801
Background:	Nkx3.1 is a transcription factor that may play an important role in regulating proliferation of glandular epithelium and in the formation of ducts in the prostate. It has been thought to be one of the target genes of the 8p21 loss of heterozygosity, common in prostate cancer. But neither disruption of the coding region of the gene, nor mutations have been found in prostate cancer.
Synonyms:	BAPX2; NKX3; NKX3.1; NKX3A
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Pathways in cancer, Prostate cancer



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Product images:

Immunohistochemistry-Paraffin: NKX3.1 Antibody (0361) TA301499 - NKX3.1 was detected in immersion fixed paraffin-embedded sections of mouse testis using Mouse Anti-Mouse NKX3.1 (0361) Monoclonal Antibody (Catalog # TA301499) at 1:300 for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the nuclei in sperm cells.



Western Blot: Nkx3.1 Antibody (0361) TA301499 - Detection of NKX3.1 in mouse testis lysate using NB 100-1828. ECL detection 1 minute.