Datasheet for ABIN3032012

anti-NKX3-1 antibody (AA 3-1)

2 Images

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Overview

Quantity:	0.4 mL
Target:	NKX3-1
Binding Specificity:	AA 3-1
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NKX3-1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 3-1 from the mouse protein was used as the immunogen for this Nkx3.1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	NKX3-1
Alternative Name:	Nkx3.1 (NKX3-1 Products)
Background:	Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor (By similarity). Plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of

Target Details

	ducts in prostate. Act as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to suppress growth and tumorigenicity of prostate carcinoma cells. Play a role in the formation of minor salivary glands (particularly palatine and lingual glands). Essential for appropriate differentiation and secretory function of the bulbourethral gland.
UniProt:	P97436
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Positive Regulation of Endopeptidase Activity, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Titration of the Nkx3.1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Nkx3.1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Western Blotting

Image 1. Nkx3.1 antibody western blot analysis in mouse stomach tissue lysate. Predicted molecular weight ~28 kDa, observed at 28-38 kDa.

Western Blotting

Image 2. Nkx3.1 antibody western blot analysis in mouse stomach tissue lysate. Predicted molecular weight ~28 kDa, observed at 28-38 kDa.