

## Product Datasheet

### NKX2-1 Antibody (N-term) (orb1938748)

<b>Catalog Number</b>	orb1938748
<b>Category</b>	Antibodies
<b>Description</b>	Affinity Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	NKX2-1 (HGNC:11825)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Rat
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This NKX2-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human NKX2-1. Antigen Region: 2-1 aa.
<b>UniProt ID</b>	<b>P43699</b>
<b>MW</b>	38596 Da
<b>Tested applications</b>	FC, WB
<b>Dilution range</b>	WB - 1:2000, FC - 1:25

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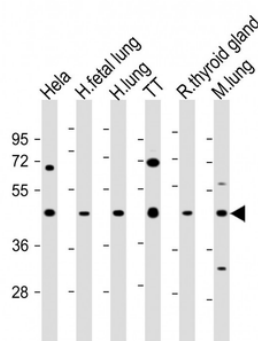
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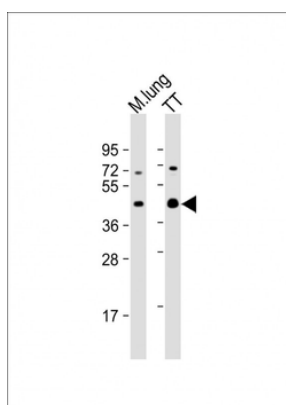
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<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_003308.1, NP_001073136.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



All lanes: Anti-NKX2-1 Antibody (N-term) at 1:2000 dilution. Lane 1: HeLa whole cell lysate. Lane 2: human fetal lung lysate. Lane 3: human lung lysate. Lane 4: TT whole cell lysate. Lane 5: rat thyroid gland lysate. Lane 6: mouse lung lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 39 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-NKX2-1 Antibody (N-term) at 1:2000 dilution. Lane 1: mouse lung lysate. Lane 2: TT whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 39 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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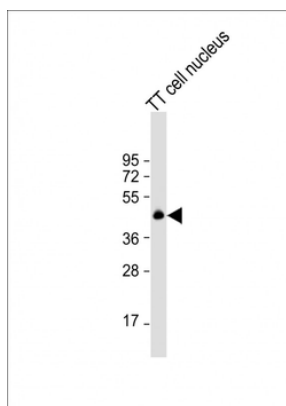
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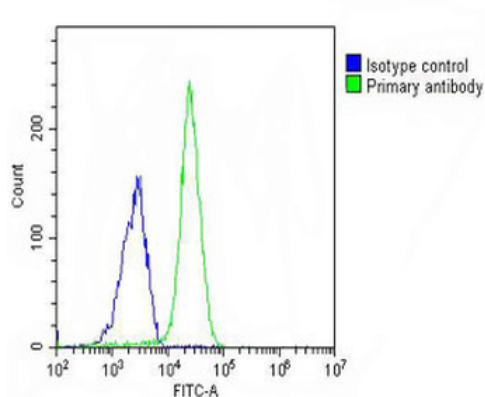
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Anti-NKX2-1 Antibody (N-term) at 1:1000 dilution + TT cell nucleus lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 39 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A549 cells (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of > 10000 events was performed.

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