SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-NKX2-1 Monoclonal Antibody

Catalog Number: SLA0564M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	7E3
GeneID:	7080
SWISS:	P43699
Target:	NKX2-1
Immunogen:	Recombinant human NKX2-1 protein
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt (1:50-100) ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	38 kDa
Subcellular Location:	Nucleus
Background:	This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TFF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription. [provided by RefSeq, Apr

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	2011]

[VALIDATION IMAGES]

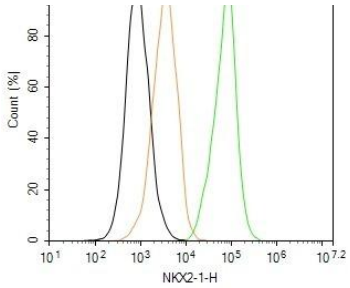


Figure 1. The A549 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Mouse Anti-NKX2-1 antibody (SLA0564M,1:100); Isotype Control (orange): Mouse IgG (SL0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed

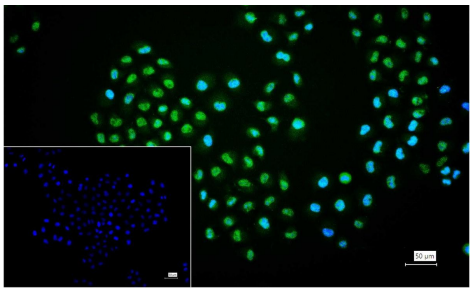


Figure 2. 4% Paraformaldehyde-fixed A549 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NKX2-1) monoclonal Antibody, unconjugated (SLA0564M) 1:100, 90 min at 37°C; followed by FITC conjugated Goat Anti-Mouse IgG antibody (green, SL60296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control
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