

Mouse NKX3-1 Monoclonal Antibody | anti-NKX3-1 antibody

NKX3-1 (Homeobox Protein Nkx-3.1, Homeobox Protein NK-3 Homolog A, NKX3.1, NKX3A) (FITC)

CATALOG # AAA25178	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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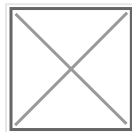
PRODUCT SYNONYMS

NKX3-1; Monoclonal Antibody; NKX3-1 (Homeobox Protein Nkx-3.1; Homeobox Protein NK-3 Homolog A; NKX3.1; NKX3A) (FITC); anti-NKX3-1 antibody

PRODUCT SPECIFICATIONS

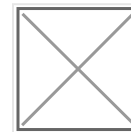
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C7
Specificity	Recognizes human NKX3-1. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-NKX3-1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa100-210 from human NKX3-1 (NP_006158) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GSYLLDSENTSGALPRLPQTPKQPQKRSRAAFSHTQVIELERKFHQKYL SAPERAHLAKNLKLTETQVKIWFQNNRYKTKRKQLSSELGDLEKHSSLPAP
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS with 0.1% BSA and 0.1% Triton X-100. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



Application Data

Detection limit for recombinant GST tagged NKX3-1 is ~0.1ng/ml as a capture antibody.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to NKX3-1 on NIH/3T3 cell. [antibody concentration 10ug/ml]

**WB (Western Blot)**

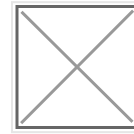
NKX3-1 monoclonal antibody. Western Blot analysis of NKX3-1 expression in NIH/3T3.

**WB (Western Blot)**

NKX3-1 monoclonal antibody. Western Blot analysis of NKX3-1 expression in Raw 264.7.

**WB (Western Blot)**

NKX3-1 monoclonal antibody. Western Blot analysis of NKX3-1 expression in PC-12.

**WB (Western Blot)**

Western Blot detection against Immunogen (37.84kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-NKX3-1 antibody

[Antibodies](#); [Transcription Factors](#); [Homeobox \(HOX\)](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923352
NCBI GeneID	4824
NCBI Accession #	NP_006158
NCBI GenBank Nucleotide #	NM_006167
UniProt Accession #	Q99801 ; O15465 ; Q9H2P4 ; Q9H2P5 ; Q9H2P6 ; Q9H2P7 ; Q9HBG0
Molecular Weight	28.7kDa (257aa)
NCBI Official Full Name	homeobox protein Nkx-3.1 isoform 1
NCBI Official Synonym Full Names	NK3 homeobox 1
NCBI Official Symbol	NKX3-1
NCBI Official Synonym Symbols	NKX3; BAPX2; NKX3A; NKX3.1
NCBI Protein Information	homeobox protein Nkx-3.1
UniProt Protein Name	Homeobox protein Nkx-3.1
UniProt Gene Name	NKX3-1
UniProt Synonym Gene Names	NKX3.1; NKX3A
UniProt Entry Name	NKX31_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nkx3-1-antibody-clone-1c7-immunofluorescence-western-blot-elisa/25178>