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Datasheet for ABIN6991654
anti-NK2 Homeobox 4 antibody (AA 220-270)

Overview

Quantity:	0.1 mg
Target:	NK2 Homeobox 4 (NKX2-4)
Binding Specificity:	AA 220-270
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NK2 Homeobox 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	NKX2-4 antibody was raised against an 18 amino acid synthetic peptide near the center of human NKX2-4. The immunogen is located within amino acids 220 - 270 of NKX2-4.
Isotype:	IgG
Specificity:	NKX2-4 antibody is predicted to not cross-react with other NK2 homeobox family members. At least two isoforms of NKX2-4 are known to exist, this antibody will detect both isoforms.
Purification:	NKX2-4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	NK2 Homeobox 4 (NKX2-4)
Alternative Name:	NKX2-4 (NKX2-4 Products)

Target Details

Background: NKX2-4 Antibody: NKX2-4 (NK2 homeobox 4) is a member of a family of transcription factors that are involved in embryonic development and cell fate. NKX2-4 is closely related to NKX2-1 and NKX2-4 and is specifically localized to the ventral diencephalon. Recent experiments in *Xenopus* have suggested that the homeodomain protein XANF is necessary for the activation of NKX2-4, but does not directly regulate its expression.

Gene ID: 644524

NCBI Accession: [NP_149416](#)

UniProt: [Q9H2Z4](#)

Application Details

Application Notes: NKX2-4 antibody can be used for detection of NKX2-4 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: NKX2-4 Antibody is supplied in PBS containing 0.02 % 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, 4 °C

Storage Comment: NKX2-4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.