

## ARG56172 anti-Nkx 2.2 antibody [NX2/294]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [NX2/294] recognizes Nkx 2.2
Tested Reactivity	Hu, Rat
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	NX2/294
Isotype	IgG2b, kappa
Target Name	Nkx 2.2
Species	Human
Immunogen	Human Nkx2.2 recombinant protein.
Conjugation	Un-conjugated
Alternate Names	Homeobox protein NK-2 homolog B; NKX2.2; Homeobox protein Nkx-2.2; NKX2B

### Application Instructions

Application table	Application	Dilution
	IHC-P	1 - 2 µg/ml
Application Note	<p>IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

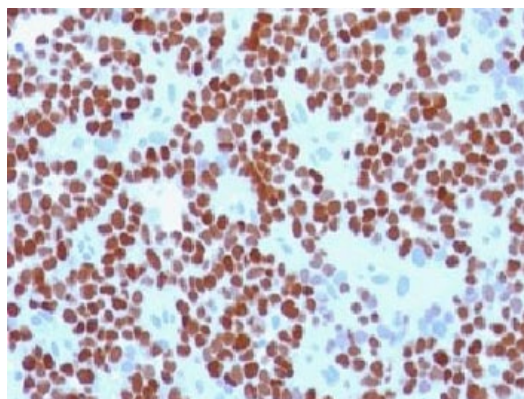
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

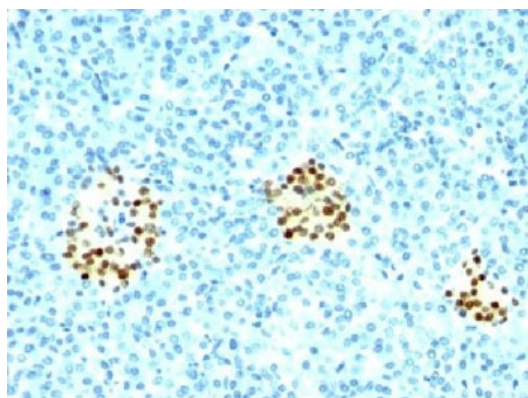
Database links	<a href="#">GeneID: 4821 Human</a> <a href="#">Swiss-port # O95096 Human</a>
Gene Symbol	NKX2-2
Gene Full Name	NK2 homeobox 2
Background	The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor. [provided by RefSeq, Jul 2008]
Function	Acts as a transcriptional activator. Required for the maintenance of NEUROD1 expression in the hormone-producing endocrine cells of the pancreas. May be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Associates with chromatin at the NEUROD1 promoter region. Binds to a subset of consensus elements within the NEUROD1 promoter (By similarity). [UniProt]
Calculated Mw	30 kDa
Cellular Localization	Nuclear

## Images



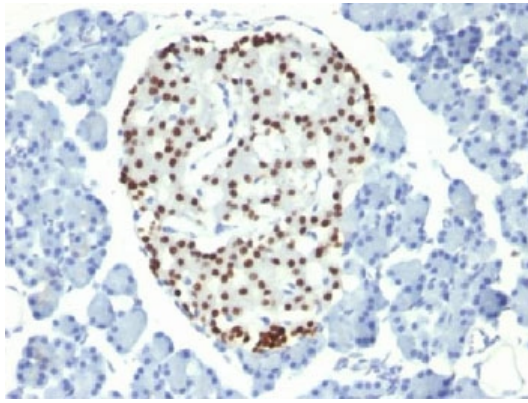
ARG56172 anti-Nkx 2.2 antibody [NX2/294] IHC-P image

Immunohistochemistry: Ewing's sarcoma stained with ARG56172 anti-Nkx 2.2 antibody [NX2/294].



ARG56172 anti-Nkx 2.2 antibody [NX2/294] IHC-P image

Immunohistochemistry: Human pancreas stained with ARG56172 anti-Nkx 2.2 antibody [NX2/294].



ARG56172 anti-Nkx 2.2 antibody [NX2/294] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Rat pancreas stained with ARG56172 anti-Nkx 2.2 antibody [NX2/294].