ARG43794
anti-Nkx 6.1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nkx 6.1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nkx 6.1
Species	Human
Immunogen	Synthetic peptide corresponding to N-terminal of Human Nkx 6.1.
Conjugation	Un-conjugated
Alternate Names	NKX6-1 NK6 homeobox 1; Nkx6.1; NKX6A; Homeobox Protein NK-6 Homolog A; Homeobox Protein Nkx-6.1; Nkx6.1; NK6 Transcription Factor Related, Locus 1 (Drosophila); NK6 Transcription Factor Related, Locus 1; NK Homeobox (Drosophila), Family 6, A; NK6 Transcription Factor Homolog A; NK Homeo Box, Family 6, Member A; NK Homeobox, Family 6, A; NKX6.1

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: BxPC3; mouse pancreas

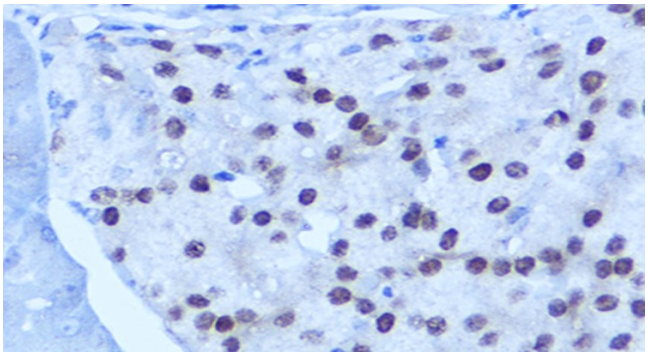
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Proclin300 and 50% Glycerol.
Preservative	0.05% Proclin300
Stabilizer	50% Glycerol
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

Gene Symbol	NKX6-1
Gene Full Name	NK6 homeobox 1
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 horomone-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



ARG43794 anti-Nkx 6.1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded mouse pancreas tissue stained with ARG43794 anti-Nkx 6.1 antibody.