Immunotag™ Nkx-6.1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3143
Product Description	Immunotag™ Nkx-6.1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NKX-6.1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Nkx-61, at AA range: 180-260
Specificity	Nkx-6.1 Polyclonal Antibody detects endogenous levels of Nkx-6.1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	NKX6-1
Accession No.	P78426 Q99MA9 O35762
Alternate Names	NKX6-1; NKX6A; Homeobox protein Nkx-6.1; Homeobox protein NK-6 homolog A
Description	NK6 homeobox 1(NKX6-1) Homo sapiens In the pancreas, NKX6.1 is required for the development of beta cells and is a potent bifunctional transcription regulator that binds to AT-rich sequences within the promoter region of target genes Iype et al. (2004) [PubMed 15056733].[supplied by OMIM, Mar 2008],

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Cell Pathway/ Category	Maturity onset diabetes of the young,
Protein Expression	Pancreatic islet,
Subcellular Localization	nucleus,nucleoplasm,extracellular exosome,
Protein Function	function:May be important for control of islet development and/or regulation of insulin biosynthesis.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Pancreatic beta cells.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.