

## Nkx-6.1 Polyclonal Antibody

| Catalog No :        | YT3143  |
|---------------------|---|
| Reactivity :        | Human;Mouse;Rat   |
| Applications :      | WB;ELISA  |
| Target :            | Nkx-6.1   |
| Fields :            | >>Maturity onset diabetes of the young                                    |
| Gene Name :         | NKX6-1  |
| Protein Name :      | Homeobox protein Nkx-6.1  |
| Human Gene Id :     | 4825  |
|                     |   |
| Human Swiss Prot    | P78426  |
| Mouse Gene Id :     | 18096   |
| Mouse Swiss Prot    | Q99MA9  |
| No:                 | 25400   |
| Rat Gene Id :       | 65193   |
| Rat Swiss Prot No : | O35762  |
| Immunogen :         | Synthesized peptide derived from Nkx-6.1 . at AA range: 180-260           |
| Specificity :       | Nkx-6.1 Polyclonal Antibody detects endogenous levels of Nkx-6.1 protein. |
| Formulation :       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| Source :            | Polyclonal, Rabbit,IgG  |
|                     |   |
| Dilution :          | WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.  |
| Purification :      | The antibody was affinity-purified from rabbit antiserum by affinity-     |

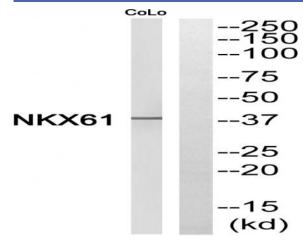


chromatography using epitope-specific immunogen.

| Concentration :           | 1 mg/ml  |
|---------------------------|--|
| Storage Stability :       | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| Molecularweight :         | 38kD   |
| Cell Pathway :            | Maturity onset diabetes of the young;  |
| Background :              | 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 lype et al. (2004) [PubMed 15056733].[supplied by OMIM, Mar 2008], |
| 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.,  |
| Subcellular<br>Location : | Nucleus .  |
| Expression :              | Pancreatic beta cells.   |



Western blot analysis of NKX61 Antibody. The lane on the right is blocked with the NKX61 peptide.



2/2