

Anti-NKX2.2 Antibody
Recombinant Mouse Monoclonal Antibody
Catalog # AH13415**Specification**

Anti-NKX2.2 Antibody - Product Information

| | |
|-------------------|----------------------------|
| Application | IHC-P, IF, FC |
| Primary Accession | O95096 |
| Other Accession | 516922 |
| Reactivity | Human, Mouse, Rat, Chicken |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | Mouse / IgG2b, kappa |
| Calculated MW | 30133 |

Anti-NKX2.2 Antibody - Additional Information**Gene ID** 4821**Other Names**

Homeobox protein NK-2 homolog B, NK2 transcription factor like protein B, NK2 transcription factor related locus 2, NKX22, Nkx2b, tinman

Application Note

IHC-P~~N/A
IF~~1:50~200
FC~~1:10~50

Format

200ug/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-NKX2.2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NKX2.2 Antibody - Protein Information**Name** NKX2-2**Synonyms** NKX2.2, NKX2B**Function**

Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (By similarity). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to

elements within the NEUROD1 promoter (By similarity).

Cellular Location

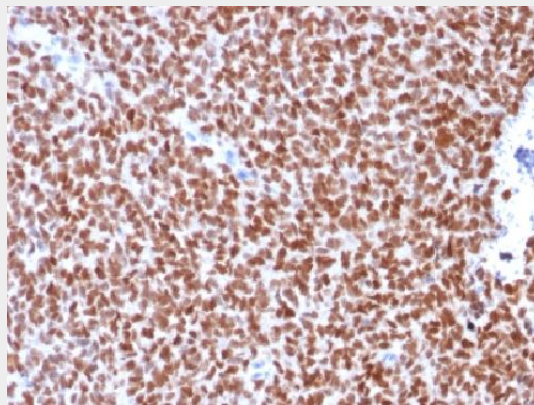
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Anti-NKX2.2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NKX2.2 Antibody - Images



Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Recombinant Mouse Monoclonal Antibody (rNX2/294).

Anti-NKX2.2 Antibody - Background

Expression of NKX2.2 has been found in neuroendocrine tumors of the gut, making it a potential marker for the study of gastrointestinal neuroendocrine tumors. More recently, NKX2.2 protein was identified as a target of EWS-FLI-1, the fusion protein specific to Ewing sarcoma, and was shown to be differentially upregulated in Ewing sarcoma on the basis of array-based gene expression analysis. It acts as a valuable marker for Ewing sarcoma, with a sensitivity of 93% and a specificity of 89%, and aids in the differential diagnosis of small round cell tumors.