

Anti-NKX2.2 Antibody
Mouse Monoclonal Antibody
Catalog # AH13411**Specification**

Anti-NKX2.2 Antibody - Product Information

Application	IHC-P, IF, FC
Primary Accession	O95096
Other Accession	516922
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, 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 Ab purified from Bioreactor Concentrate 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).

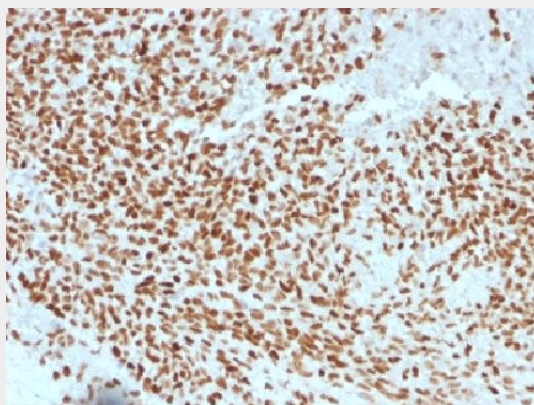
Cellular Location

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

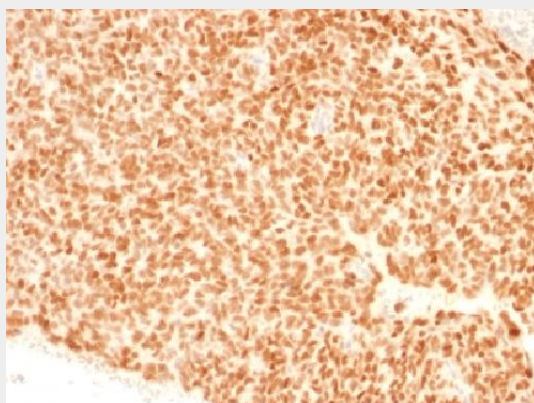
Anti-NKX2.2 Antibody - Protocols

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 Monoclonal Antibody (NX2/1523).



Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Monoclonal Antibody (NX2/1523).

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.