

## Mouse NKX2.2 Monoclonal Antibody | anti-NKX2.2 antibody

NKX2.2 (Neuroendocrine and Ewing's Sarcoma Marker)

| CATALOG # | HOST  | REACTIVITY               | APPLICATIONS                                                               |
|-----------|-------|--------------------------|----------------------------------------------------------------------------|
| AAA214467 | Mouse | Human. Others not known. | Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay |

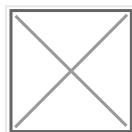
### PRODUCT SYNONYMS

NKX2.2; Monoclonal Antibody; NKX2.2 (Neuroendocrine and Ewing's Sarcoma Marker); Homeobox protein NK-2 homolog B; NK2 transcription factor like protein B; NK2 transcription factor related locus 2; NKX22; Nkx2b; tinman; anti-NKX2.2 antibody

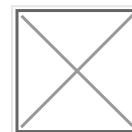
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                       | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                          | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clone Number                                     | NX2/1524                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                      | 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 small round cell tumors. |
| Form/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.                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence Length                                  | 273                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-NKX2.2 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                        | Human recombinant NKX2.2 protein fragment (aa1-119)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cellular Localization                            | Nuclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Hu-chromosome Location                           | 20p11.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Positive Control                                 | Pancreas or Ewings sarcoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                          | Antibody with azide - store at 2 to 8 degree C.<br>Antibody without azide - store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Monoclonal Antibody (NX2/1524).



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Monoclonal Antibody (NX2/1524).

ADDITIONAL INFORMATION

|            |                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------|
| References | Wang, Y.C. et al. (2009) Endocr Relat Cancer 16, 267-79. Yoshida A et. al. Am J Surg Pathol. 2012; 36(7):993-9. |
|------------|-----------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 4505401                  |
| NCBI GeneID                      | 4821                     |
| NCBI Accession #                 | NP_002500.1              |
| NCBI GenBank Nucleotide #        | NM_002509.3              |
| UniProt Accession #              | O95096; P13591; P13592   |
| Molecular Weight                 | 40-50kDa                 |
| NCBI Official Full Name          | homeobox protein Nkx-2.2 |
| NCBI Official Synonym Full Names | NK2 homeobox 2           |
| NCBI Official Symbol             | NKX2-2                   |
| NCBI Official Synonym Symbols    | NKX2B; NKX2.2            |
| NCBI Protein Information         | homeobox protein Nkx-2.2 |
| UniProt Protein Name             | Homeobox protein Nkx-2.2 |
| UniProt Gene Name                | NKX2-2                   |
| UniProt Synonym Gene Names       | NKX2.2; NKX2B            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/nkx22-antibody-clone-nx2-1524-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214467>