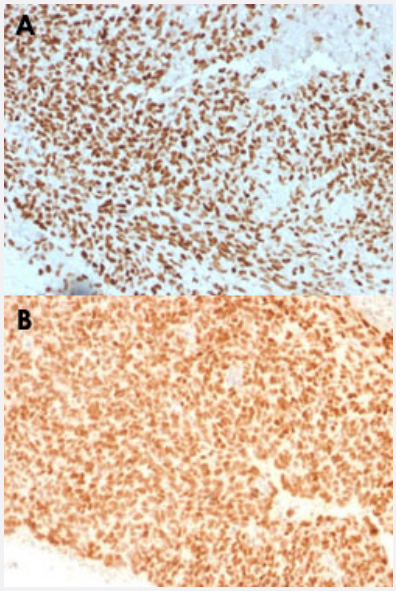
# NKX2-2 monoclonal antibody, clone NX2/1523

Catalog # MAB14854 Size 100 ug

## Applications




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma (A, B) with NKX2-2 monoclonal antibody, clone NX2/1523 (Cat # MAB14854).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant human NKX2-2. |
| **Immunogen** | Recombinant protein corresponding to amino acids 1-119 of human NKX2-2. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 40-50 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG1, kappa |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells)<br>Immunofluorescence (1-2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS. |
| **Storage Instruction** | Store at -20 to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma (A, B) with NKX2-2 monoclonal antibody, clone NX2/1523 (Cat # MAB14854).

- Immunofluorescence

- Flow Cytometry

## Gene Info — NKX2-2

| | |
|---|---|
| **Entrez GeneID** | 4821 |
| **Protein Accession#** | O95096 |
| **Gene Name** | NKX2-2 |
| **Gene Alias** | NKX2.2, NKX2B |
| **Gene Description** | NK2 homeobox 2 |
| **Omim ID** | 604612 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene contains a homeobox domain and may be involved in the morp hogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, an d these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor. [provided by RefSeq |
| **Other Designations** | NK-2 homolog B\|NK2 transcription factor related, locus 2\|NK2 transcription factor-like protein B\|O TTHUMP00000030405\|homeobox protein NK-2 homolog B |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## Publication Reference

- NKX2.2 Is a Useful Immunohistochemical Marker for Ewing Sarcoma.

  Yoshida A, Sekine S, Tsuta K, Fukayama M, Furuta K, Tsuda H.

  The American Journal of Surgical Pathology 2012 Jul; 36(7):993.

- Homeodomain transcription factor NKX2.2 functions in immature cells to control enteroendocrine differentiation and is expressed in gastrointestinal neuroendocrine tumors.

  Wang YC, Gallego-Arteche E, Iezza G, Yuan X, Matli MR, Choo SP, Zuraek MB, Gogia R, Lynn FC, German MS, Bergsland EK, Donner DB, Warren RS, Nakakura EK.

  Endocrine-Related Cancer 2009 Mar; 16(1):267.

## Pathway

- Maturity onset diabetes of the young

## Disease

- Diabetes Mellitus

Copyright © 2023 Abnova Corporation. All Rights Reserved.