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Datasheet

NKX2-2 monoclonal antibody, clone NX2/1523

Catalog Number: MAB14854

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against partial recombinant human NKX2-2.

Clone Name: NX2/1523

Immunogen: Recombinant protein corresponding to amino acids 1-119 of human NKX2-2.

Host: Mouse

Theoretical MW (kDa): 40-50

Reactivity: Human

Applications: Flow Cyt, IF, IHC-P
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A/G purification

Isotype: IgG1, kappa

Recommend Usage: Flow Cytometry (0.5-1 ug/10^6 cells)
Immunofluorescence (1-2 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)
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.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4821

Gene Symbol: NKX2-2

Gene Alias: NKX2.2, NKX2B

Gene Summary: The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and 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]

References:

1. NKX2.2 is a useful immunohistochemical marker for Ewing sarcoma. Yoshida A, Sekine S, Tsuta K, Fukayama M, Furuta K, Tsuda H. Am J Surg Pathol. 2012 Jul;36(7):993-9. doi: 10.1097/PAS.0b013e31824ee43c.
2. 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. Endocr Relat Cancer. 2009 Mar;16(1):267-79. doi: 10.1677/ERC-08-0127. Epub 2008 Nov 5.