

Datasheet for ABIN6940202
anti-Nkx2-2 antibody (AA 1-119)

4 Images

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Overview

Quantity:	100 µg
Target:	Nkx2-2
Binding Specificity:	AA 1-119
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nkx2-2 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa1-119) of human NKX2.2 protein (exact sequence is proprietary)
Clone:	NX2-1524
Isotype:	IgG1 kappa
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 diagnosis of small round

Product Details

cell tumors.

Purification: Purified by Protein A/G

Target Details

Target: Nkx2-2

Alternative Name: NKX2-2 ([Nkx2-2 Products](#))

Molecular Weight: 40-50kDa

Gene ID: 4821

UniProt: [O95096](#)

Pathways: [Dopaminergic Neurogenesis](#)

Application Details

Application Notes: Positive Control: Pancreas or Ewing's sarcoma.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

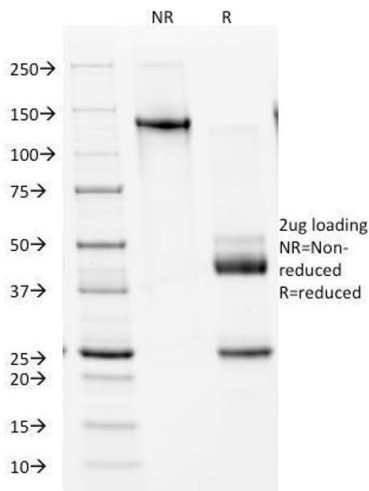
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

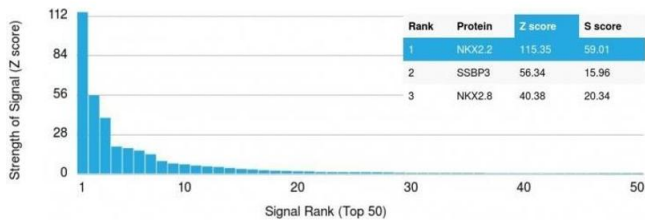


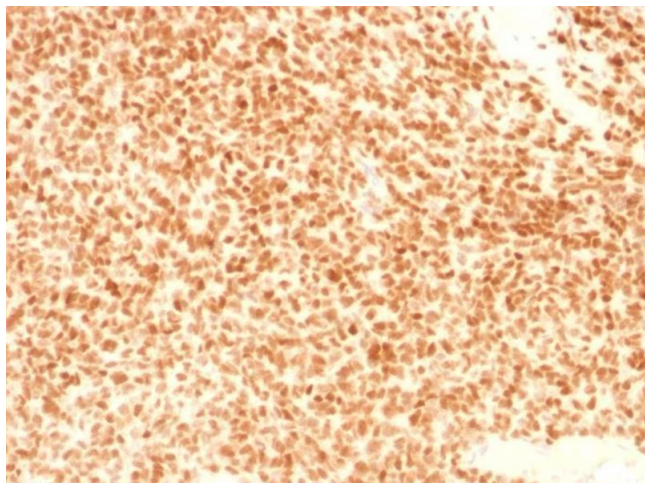
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified NKX2.2 Mouse Monoclonal Antibody (NX2/1524). Confirmation of Purity and Integrity of Antibody

Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using NKX2.2 Mouse Monoclonal Antibody (NX2/1524) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.





Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Mouse Monoclonal Antibody (NX2/1524).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940202.