Datasheet for ABIN6940201

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:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa1-119) of human NKX2.2 protein (exact sequence is proprietary)
Clone:	NX2-1523
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 cell tumors.

Product Details

Purification:	Purified by Protein A/G

Target Details

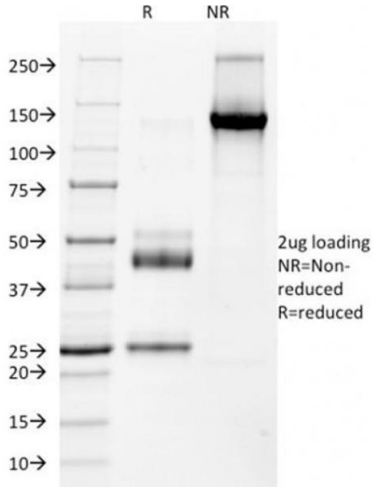
Target:	Nkx2-2
Alternative Name:	NKX2-2 (Nkx2-2 Products)
Molecular Weight:	40-50kDa
Gene ID:	4821
UniProt:	O95096
Pathways:	Dopaminergic Neurogenesis

Application Details

Application Notes:	Positive Control: Pancreas or Ewing's Sarcoma. Known Application: 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

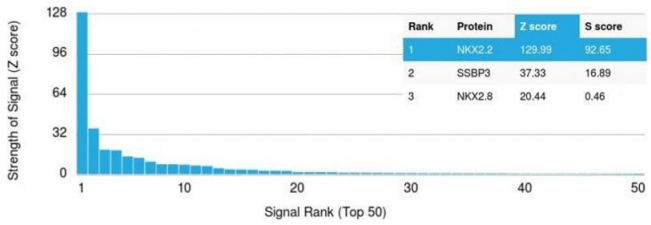
Handling

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

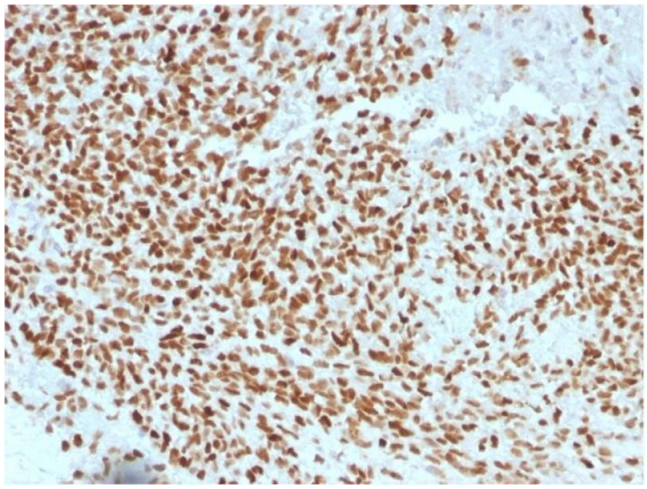
Image 1. SDS-PAGE Analysis Purified NKX2.2 Mouse Monoclonal Antibody (NX2/1523). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using NKX2.2 Mouse Monoclonal Antibody (NX2/1523) 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 HuProtTM 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 HuProtTM 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.

Images



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Mouse Monoclonal Antibody (NX2/1523).

Please check the product details page for more images. Overall 4 images are available for ABIN6940201.