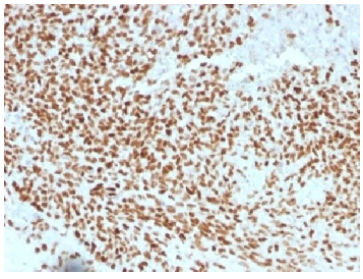
NKX2.2 Antibody [clone NX2/1523] (V3361)

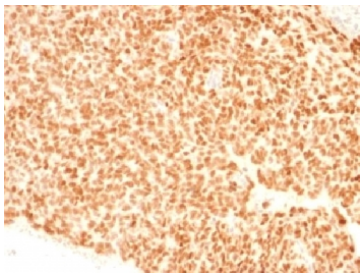
Catalog No.	Formulation	Size
V3361-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3361-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3361SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NX2/1523
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	O95096
Gene ID	4821
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This NKX2.2 antibody is available for research use only.



IHC testing of FFPE Ewings sarcoma with NKX2.2 antibody (clone NX2/1523). HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



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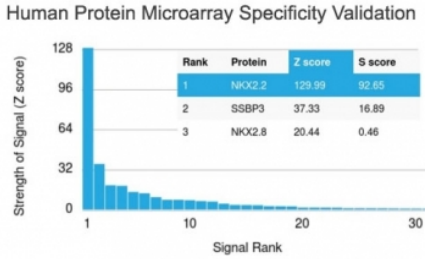
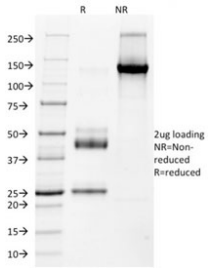


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using NKX2.2 antibody (clone NX2/1523). These results demonstrate the foremost specificity of the NX2/1523 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free NKX2.2 antibody (clone NX2/1523) as confirmation of integrity and purity.

Description

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.

Application Notes

Titering of the NKX2.2 antibody may be required for optimal performance.

Immunogen

A human partial recombinant protein corresponding to amino acids 1-119 was used as the immunogen for this NKX2.2 antibody.

Storage

Store the NKX2.2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).