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12-1032: Recombinant Rabbit Monoclonal Antibody to NKX2.2 (Neuroendocrine & Ewing s Sarcoma Marker)(Clone : NX2/1422R)

Clonality :	Monoclonal
Clone Name :	NX2/1422R
Application :	IHC
Reactivity :	Human
Gene :	NKX2-2
Gene ID :	4821
Uniprot ID :	O95096
Format :	Purified
Alternative Name :	Homeobox protein NK-2 homolog B, NK2 transcription factor like protein B, NK2 transcription factor related locus 2, NKX22, Nkx2b, tinman
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant human NKX2.2 protein fragment (exact sequence is proprietary)

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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

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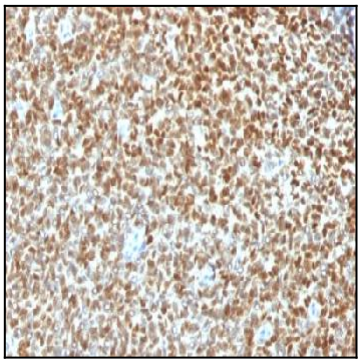


Figure 1: Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Rabbit Recombinant Monoclonal Antibody (NX2/1422R).

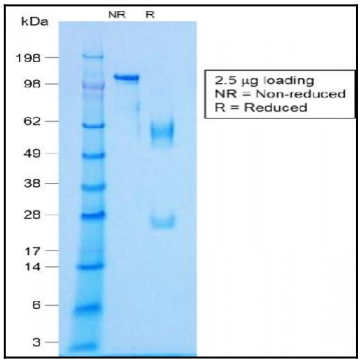


Figure 2: SDS-PAGE Analysis Purified NKX2.2 Rabbit Recombinant Monoclonal Antibody (NX2/1422R).

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