

36-2855: Anti-NKX2.2 (Neuroendocrine & Ewing's Sarcoma Marker) Monoclonal Antibody(Clone: NX2/2198R)

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| Clonality : | Monoclonal |
| Clone Name : | NX2/2198R |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | NKX2-2 |
| Gene ID : | 4821 |
| Uniprot ID : | O95096 |
| 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 (around aa1-119) (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

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | 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. |

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/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);

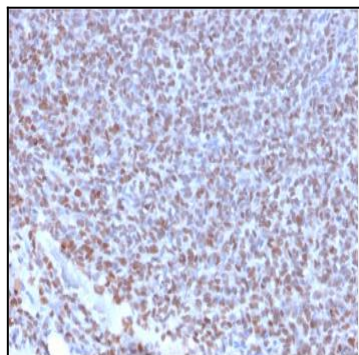


Fig. 1: Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Rabbit Recombinant Monoclonal Antibody (NX2/2198R).

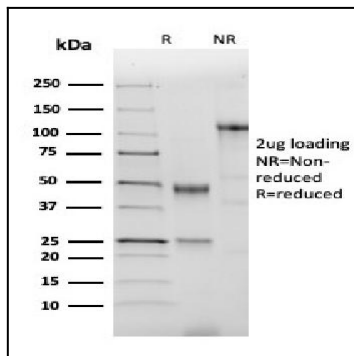


Fig. 2: SDS-PAGE Analysis of Purified NKX2.2 Rabbit Recombinant Monoclonal Antibody (NX2/2198R).