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Bhubaneswar, Odisha - 751024, INDIA

## 36-1520: Monoclonal Antibody to NKX2.2 (Neuroendocrine & Ewing Sarcoma Marker)(Clone: **SPM564)**

Clonality: Monoclonal Clone Name: **SPM564** Application: FACS, IF, IHC

Reactivity: Human, Mouse, rat

Gene: NKX2-2 Gene ID: 4821 **Uniprot ID:** O95096 Format: Purified

NKX2-2,NKX2.2,NKX2B **Alternative Name:** Mouse IgG2b, kappa Isotype:

Immunogen Information: Human NKX2.2 recombinant protein

## **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: 100 µg

Purification: Affinity Chromatography

100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly Content:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

## **Application Note**

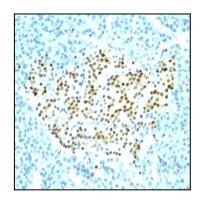
Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed paraffin-embedded human Ewing?s sarcoma stained with NKX2.2 Monoclonal Antibody (SPM564).



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Formalin-fixed paraffin-embedded human Pancreas stained with NKX2.2 Monoclonal Antibody (SPM564).