

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-1519: Monoclonal Antibody to NKX2.2 (Neuroendocrine & Ewing's Sarcoma Marker)(Clone: NX2/294)

Clonality: Monoclonal
Clone Name: NX2/294
Application: FACS,IF,IHC
Reactivity: Mouse, Human

Gene : NKX2-2
Gene ID : 4821
Uniprot ID : 095096
Format : Purified

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

Immunogen Information: Human full-length recombinant NKX2.2 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: $100 \mu g$

Purification: Affinity Chromatography

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

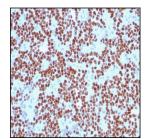
toxic.

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

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°C followed by cooling at RT for 20 minutes);

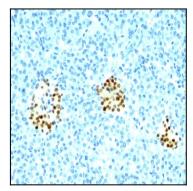


Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Monoclonal Antibody (NX2/294).

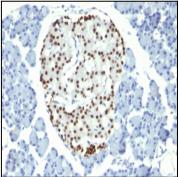


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Formalin-fixed, paraffin-embedded human Pancreas stained with NKX2.2 Monoclonal Antibody (NX2/294).



Formalin-fixed, paraffin-embedded Rat Pancreas stained with NKX2.2 Monoclonal Antibody (NX2/294).