9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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
Alternative Name :	NKX2-2,NKX2.2,NKX2B
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Human NKX2.2 recombinant protein

Description

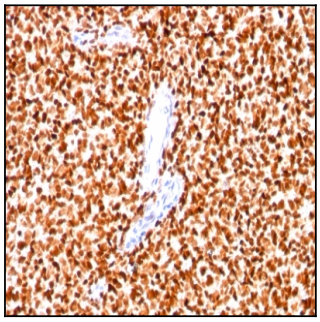
Expression of NKX2.2 has been found in neuroendocrine tumors of the gut, making it a potential marker for the study of gastrointestinal neuroendocrine tumors. More recently, NKX2.2 protein was identified as a target of EWS-FLI-1, the fusion protein specific to Ewing sarcoma, and was shown to be differentially 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
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&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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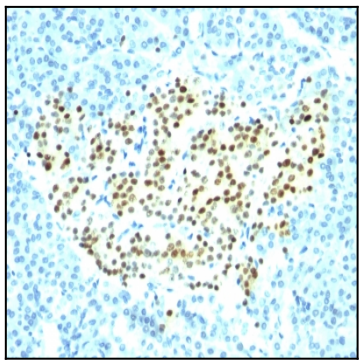

Formalin-fixed paraffin-embedded human Pancreas stained with NKX2.2 Monoclonal Antibody (SPM564).