

Datasheet for ABIN6940204

Recombinant anti-Nkx2-2 antibody (AA 1-119)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Nkx2-2
Binding Specificity:	AA 1-119
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Nkx2-2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Human recombinant NKX2.2 protein fragment (around aa1-119) (exact sequence is proprietary)
Clone:	RNX2-1523
Isotype:	IgG1 kappa
Specificity:	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 Details

Purification: Purified by Protein A/G

Target Details

Target: Nkx2-2

Alternative Name: NKX2-2 ([Nkx2-2 Products](#))

Molecular Weight: 40-50kDa

Gene ID: 4821

UniProt: [O95096](#)

Pathways: [Dopaminergic Neurogenesis](#)

Application Details

Application Notes: Positive Control: Pancreas or Ewing's sarcoma.
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

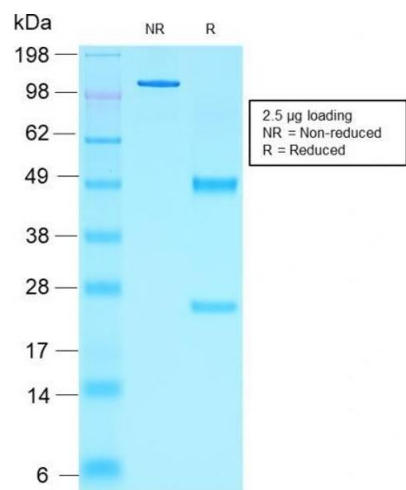
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

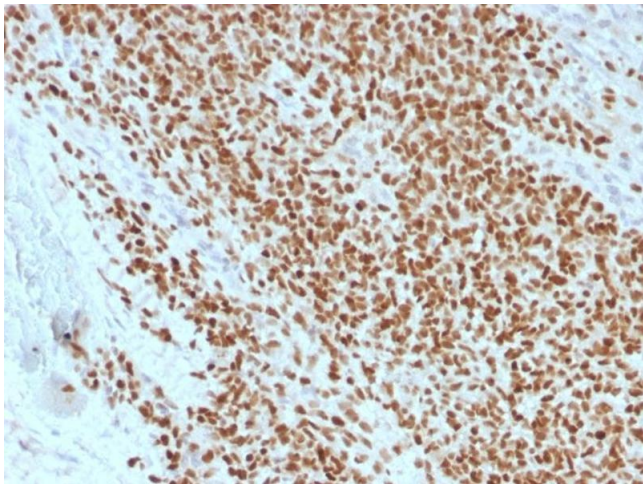
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified NKX2.2 Mouse Recombinant Monoclonal Antibody (rNX2/1523). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with NKX2.2 Mouse Recombinant Monoclonal Antibody (rNX2/1523).