

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human NKX2.2 in ELISA and Western Blot.
Source	Monoclonal Mouse IgG _{2B} Clone # 883411
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NKX2.2 Met1-Lys128 Accession # O95096
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NKX2.2, also known as NKX2-2 or NKX2B, is an approximately 30 kDa, 273 amino acid homeobox nuclear transcription factor of the NKX2 protein family. It specifies differentiation of pancreatic islet cells such as alpha, beta, PP, and epsilon lineages. It also functions in developmental neuronal patterning of the ventral spinal cord in response to graded Sonic Hedgehog gradients and contributes pathfinding of commissural neurons. Within the region used as an immunogen, human NKX2.2 shares 96% and 97% amino acid sequence identity with mouse and rat NKX2.2, respectively.

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