

CA1035	Nkx2.2	
	Monoclonal Antibody (PR-1C11)	
	Prod. No. S2116-100UG	Orders 866 372-7442 & Support support@primorigen.com
	<i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	Web www.primorigen.com

Reacts with	Human*
Tested Applications	WB, ELISA
Host	Mouse
Clone	PR-1C11
Isotype	IgG2a, κ

*Other species not tested

Background: Nkx2.2 is a transcription factor belonging to NK-2 homeobox family. It is expressed in the ventral regions of the developing vertebrate central nervous system (CNS) and is therefore thought to play a role in the morphogenesis of the CNS. In addition, gene knockout experiments in mice have identified Nkx2.2 as a key regulator of insulin-producing beta-cell development in the pancreas. Nkx2.2 is used as a marker for pancreatic islet cell lineages when inducing differentiation of human stem cells.

Size: 100 µg
Immunogen: Recombinant human Nkx2.2 fragment (AA 1-127) expressed in <i>E. coli</i> and refolded to soluble form.
Purification: Protein G chromatography
Formulation: 1 mg/ml in PBS Preservative: 0.09% NaN ₃
Storage: Store at 4°C (<3 months) or -20°C. Avoid multiple freeze-thaws.
Recommended Uses:
Western Blot 1:1000-1:5000
ELISA (detect) 1:1000
Note: Optimal concentrations should be empirically determined.
Target Alternative Names: Homeobox protein Nkx-2.2; Homeobox protein NK-2 homolog B; NK2 homeobox 2
Target Size: 273 AA; 30.1 kDa
Target Database Links:
RefSeq Protein NP_002500.1
RefSeq mRNA NM_002509.2
UniProt O95096

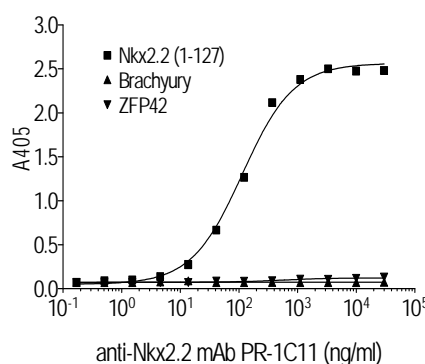
Applications:

(A) Indirect ELISA detection of immobilized Nkx2.2 (AA 1-127) immunogen with titrated amounts of Nkx2.2 mAb (PR-1C11). No binding is seen to irrelevant recombinant proteins Brachyury or ZFP42.

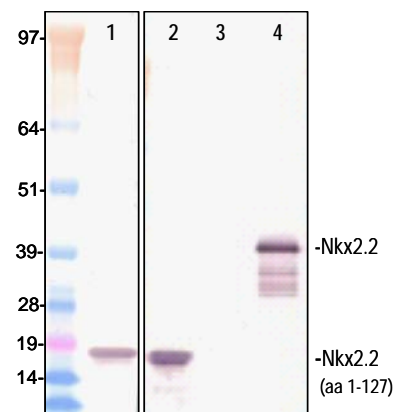
(B) Western blot detection of Nkx2.2 using 0.1 µg/ml (Lane 1) or 1.0 µg/ml (Lanes 2-4) Nkx2.2 mAb (PR-1C11): (1&2) 250 ng Nkx2.2 recombinant protein (aa1-127 fragment), (3) 5 µg untransfected HEK-293 lysate, (4) 5 µg HEK-293-Nkx2.2 transfectant cell lysate.

Note: Representative data are shown (not Lot-specific).

A. ELISA



B. WB



Warranty: Each Lot has been verified to meet quality specifications in accordance with testing guidelines. We will replace the product if it does not conform to specifications. Product guaranteed for 6 months from date of purchase if stored as directed. This product must not be resold without written permission from Primorigen Biosciences.

Limited Use License “For Research Use Only”

This product is to be used for Research Purposes only and for no other purpose. The term “Research Purposes” means scientific research programs directly under the user’s control, which are specifically directed to the purposes of internal research and not for any Commercial Purpose. The purchase and/or use of this product conveys to the user the non-transferable right to use the product and the components of the product in research conducted by the user. The user will not reformulate the Product and shall not sell or otherwise transfer this product, its components, or materials made therefrom to any third party. User shall not use this product or its components for Commercial Purposes until it has obtained a license for this purpose. The term “Commercial Purposes” shall mean any activity by a party for consideration and may include, but is not limited to, use of the product or its components (i) in manufacturing, (ii) to provide a service, information or data to a third party (e.g. fee for sample testing), (iii) for therapeutic, diagnostic or prophylactic purposes, (iv) for resale, whether or not such product or its components are resold for use in research, or (v) in a quality control or quality assurance process for the manufacture of a product for sale. The use of this product by the user constitutes agreement with the terms of this limited use label license for Primorigen Biosciences Inc.”

Primorigen Biosciences Inc. warrants that its products will conform to the standards stated in its product specification sheets in effect at the time of shipment when used as directed. Primorigen Biosciences Inc. will replace, free of charge, any product that does not conform to the specifications, but only when used as directed. This warranty limits the liability of Primorigen Biosciences Inc. to only the replacement of the product. **THIS WARRANTY IS EXCLUSIVE, and Primorigen Biosciences INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The stated express warranties, and the remedy provided for breach thereof, are in lieu of all other liability or obligations of Primorigen Biosciences INC. for any damages whatsoever arising out of or in connection with the delivery, use, performance, or the inability to use any of its products. **IN NO EVENT SHALL Primorigen Biosciences INC. BE LIABLE UNDER ANY LEGAL THEORY (INCLUDING BUT NOT LIMITED TO CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT, OR WARRANTY OF ANY KIND) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS).** Without limiting the effect of the preceding sentence, the maximum liability, if any, of Primorigen Biosciences Inc., shall not exceed the purchase price paid by PURCHASER for the product. The use of the product by the user constitutes user's understanding of and agreement with the terms of this limited warranty and limited liability policy.