

Nkx2.5 Recombinant Polyclonal Antibody (4HCLC)

Catalog Number710634

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested ApplicationsDilution * Immunocytochemistry (ICC/IF)Assay-dependent	
Class	Recombinant Polyclonal		
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Clone	4HCLC		
Immunogen	human Nkx2.5		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Background/Target Information

This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants.

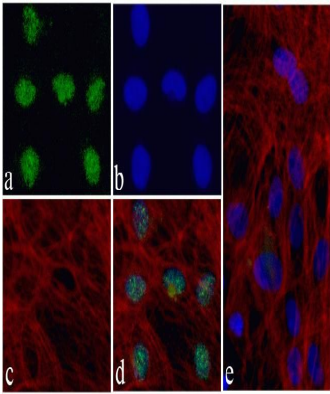
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Product Images For Nkx2.5 Recombinant Polyclonal Antibody (4HCLC)



Nkx2.5 Antibody (710634) in ICC/IF
Immunocytochemistry analysis of Human cardiomyocytes stained with Nkx2.5 Recombinant Rabbit Polyclonal Antibody (Product # 710634, 5.0 µg/mL) using a: Alexa Fluor® 488 Goat anti-Rabbit as a secondary antibody (green). b: DAPI stained Primary human cardiomyocytes nuclei (blue). c: Actin stained with Alexa Fluor® 594 Phalloidin (red). d: composite image of cells showing nuclear localization. e: No primary control.

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