

Datasheet for ABIN6144644

anti-NK2 Homeobox 5 antibody (AA 1-135)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	NK2 Homeobox 5 (NKX2-5)
Binding Specificity:	AA 1-135
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NK2 Homeobox 5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-135 of human NKX2-5 (NP_004378.1).
Sequence:	MFPSPALTPT PFSVKDILNL EQQQRSLAAA GELSARLEAT LAPSSCMLAA FKPEAYAGPE AAAPGLPELR AELGRAPSPA KCASAFPAAP AFYPRAYSDP DPAKDPRAEK KELCALQKAV ELEKTEADNA ERPRA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NK2 Homeobox 5 (NKX2-5)
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Target Details

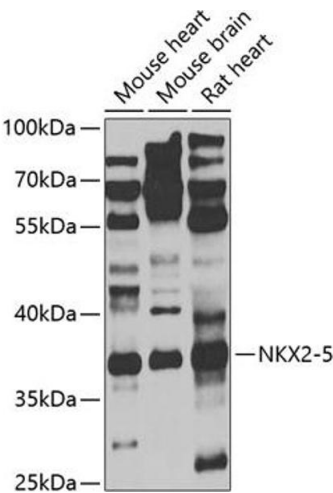
Alternative Name:	NKX2-5 (NKX2-5 Products)
Background:	This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of 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.,NKX2-5,CHNG5,CSX,CSX1,HLHS2,NKX2.5,NKX2E,NKX4-1,VSD3,Epigenetics & Nuclear Signaling,Transcription Factors,Cell Biology & Developmental Biology,Neuroscience,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Cardiovascular Markers,Cardiomyocytes,Heart,Cardiogenesis,NKX2-5
Molecular Weight:	11 kDa/16 kDa/34 kDa
Gene ID:	1482
UniProt:	P52952
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using NKX2-5 antibody (ABIN6132412, ABIN6144644, ABIN6144646 and ABIN6221293) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.