ARG64952
anti-CSX1 / NKX2-5 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CSX1 / NKX2-5
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize all three reported isoforms (NP_004378.1; NP_001159647.1; NP_001159648.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CSX1 / NKX2-5
Species	Human
Immunogen	C-PRAYSDPDPAKDPR
Conjugation	Un-conjugated
Alternate Names	NKX2.5; NKX2E; Homeobox protein Nkx-2.5; CHNG5; NKX4-1; VSD3; CSX; CSX1; Homeobox protein NK-2 homolog E; HLHS2; Homeobox protein CSX; Cardiac-specific homeobox

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	0.1 - 0.5 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

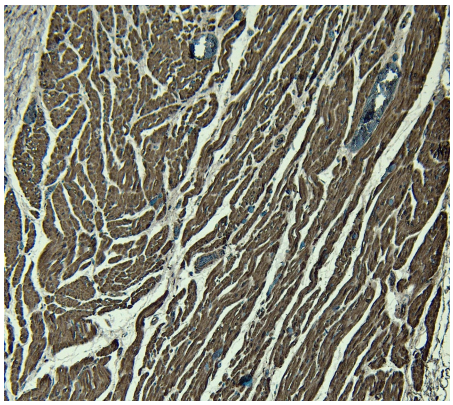
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

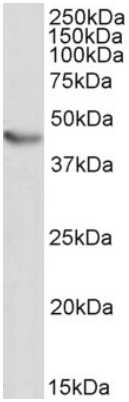
Database links	GeneID: 1482 Human GeneID: 18091 Mouse Swiss-port # P42582 Mouse Swiss-port # P52952 Human
Background	This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect 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. [provided by RefSeq, Oct 2009]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Neuroscience antibody
Calculated Mw	35 kDa

Images



ARG64952 anti-CSX1 / NKX2-5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64952 anti-CSX1 / NKX2-5 antibody at 6 µg/ml dilution followed by AP-staining.



ARG64952 anti-CSX1 / NKX2-5 antibody WB image

Western blot: 35 µg of Mouse heart lysate (in RIPA buffer) stained with ARG64952 anti-CSX1 / NKX2-5 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.