

ARG66456 anti-ANKRD1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ANKRD1
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov, Chk, Pig, Rb
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ANKRD1
Species	Human
Immunogen	KLH-conjugated synthetic peptide within the C-terminal region of Human ANKRD1.
Conjugation	Un-conjugated
Alternate Names	bA320F15.2; CVARP; ALRP; CARP; Cardiac ankyrin repeat protein; Cytokine-inducible nuclear protein; Cytokine-inducible gene C-193 protein; C-193; MCARP; Ankyrin repeat domain-containing protein 1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	40 kDa	

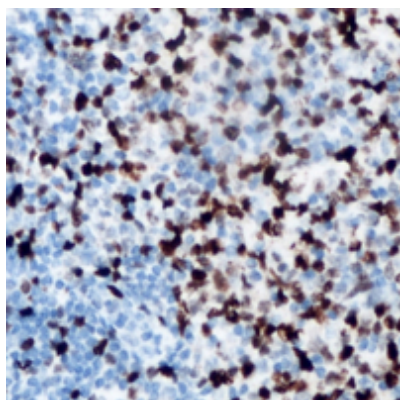
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
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. 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.

Bioinformation

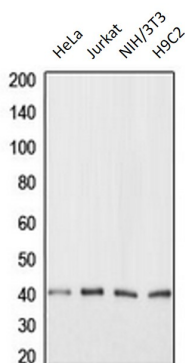
Gene Symbol	ANKRD1
Gene Full Name	ankyrin repeat domain 1 (cardiac muscle)
Background	The protein encoded by this gene is localized to the nucleus of endothelial cells and is induced by IL-1 and TNF-alpha stimulation. Studies in rat cardiomyocytes suggest that this gene functions as a transcription factor. Interactions between this protein and the sarcomeric proteins myopalladin and titin suggest that it may also be involved in the myofibrillar stretch-sensor system. [provided by RefSeq, Jul 2008]
Function	May play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes. Induction seems to be correlated with apoptotic cell death in hepatoma cells. [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG66456 anti-ANKRD1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lymph node. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then incubated with ARG66456 anti-ANKRD1 antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



ARG66456 anti-ANKRD1 antibody WB image

Western blot: HeLa, Jurkat, NIH/3T3 and H9C2 whole cell lysates stained with ARG66456 anti-ANKRD1 antibody.