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ANKRD1 Rabbit pAb

Catalog # AP99756

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q15327
Other Accession	Q15327
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36252
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKRD1
Epitope Specificity	185-319/319
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 5 ANK repeats.
SUBUNIT	Interacts with YBX1 (By similarity). Interacts with TTN/titin.
DISEASE	Defects in ANKRD1 may be a cause of total anomalous pulmonary venous return (TAPVR) . TAPVR is a rare congenital heart disease (CHD) in which the pulmonary veins fail to connect to the left atrium during cardiac development, draining instead into either the right atrium or one of its venous tributaries. This disease accounts for 1.5% of all CHDs and has a prevalence of approximately 1 out of 15'000 live births.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	27063
Other Names	ALRP; C-193; CARP; CVARP; MCARP; bA320F15.2; Crap; MARP1; MARP; ANKR1_HUMAN; ANKRD1; Cardiac ankyrin repeat protein; Cytokine-inducible gene C-193 protein; Cytokine-inducible nuclear protein; C193; HA1A2; ANKR1_MOUSE; ANKR1_RAT; Cardiac adriamycin-responsive protein; ankyrin repeat domain 1; ankyrin repeat domain 1 (cardiac muscle)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ANKRD1
Synonyms	C193, CARP, HA1A2
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.
Cellular Location	Nucleus
Tissue Location	Mainly expressed in activated vascular endothelial cells. To a lower extent, also expressed in hepatoma cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.