

CARP polyclonal antibody

Catalog: BS71931

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

A proposed genetic marker of cardiac hypertrophy, CARP (cardiac ankyrin repeat protein, ANKRD1, Ankyrin repeat domain-containing protein 1,) is a nuclear protein with an established role in regulation of cardiac gene expression. A distinct increase in CARP expression occurs in rats with abdominal aorta constriction, spontaneous hypertension and Dahl salt-sensitivity. In cardiomyocytes, CARP inhibits transcription of both cardiac troponin C and atrial natriuretic factor. Specifically, expression of the CARP gene, which lies downstream of the cardiac homeobox gene Nkx2.5, inhibits Nkx2.5 transactivation of atrial natriuretic factor promoter. An increase in CARP expression is observed in the ventricular tissue of patients with end-stage heart failure.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

36kDa

Swiss-Prot:

Q15327

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000

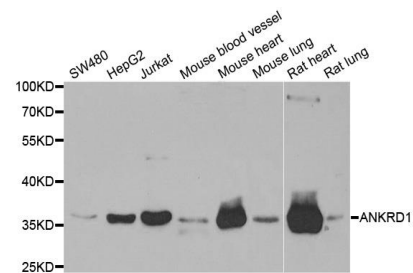
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CARP polyclonal antibody detects endogenous levels of CARP protein.

DATA:



Western blot analysis of extracts of various cell lines, using ANKRD1 antibody at 1:1000 dilution.

Note:

For research use only, not for use in diagnostic procedure.

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