

ACTN2 Recombinant antibody

Cat:B36244S**Company:** HaoKebio**Uniprot ID:**P35609**Applications:** IHC:1:500-1:2000**Organism:**Rabbit

IHC-Polymer:1:2000-1:8000

Species reactivity:Human Mouse Rat

IHC-TSA:1:2500-1:10000

Molecular Weight Calculation: 104 kDa

IF:1:50-1:100

Observed Molecular Weight: 103 kDa

WB:1:5000-1:50000

Background:

Alpha actinin 2 (ACTN2) belongs to the alpha-actinin family and is expressed in both skeletal and cardiac muscles, and functions to anchor myofibrillar actin thin filaments and titin to Z-discs. ACTN2 is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. Mutations in ACTN2 are associated with hypertrophic cardiomyopathy, as well as dilated cardiomyopathy and endocardial fibroelastosis.

Synonyms:

Actinin alpha 2, actinin, alpha 2, ACTN 2, Alpha actinin 2, Alpha-actinin skeletal muscle isoform 2

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

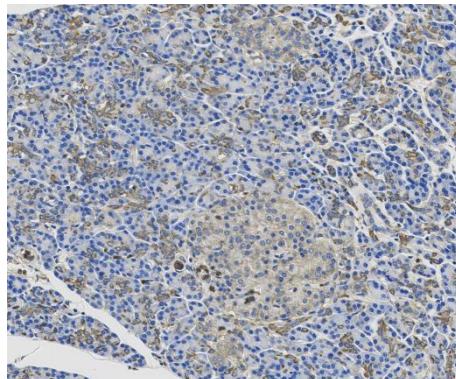
PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:

Sample: Mouse kidney, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:ACTN2(B36244S)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:ACTN2(B36244S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.