

MAC117Hu23

Monoclonal Antibody to Activin A Receptor Type II A (ACVR2A)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C1

Traits: Liquid

Concentration: 0.94mg/mL

UOM: 100μL

Cross Reactivity: Porcine

Applications: IHC

[IMMUNOGEN]

Immunogen: Recombinant ACVR2A (Ala20~Pro135 (Accession # P27037)) expressed in *E.coli*

Accession No.: RPC117Hu01

[APPLICATIONS]

Immunohistochemistry: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

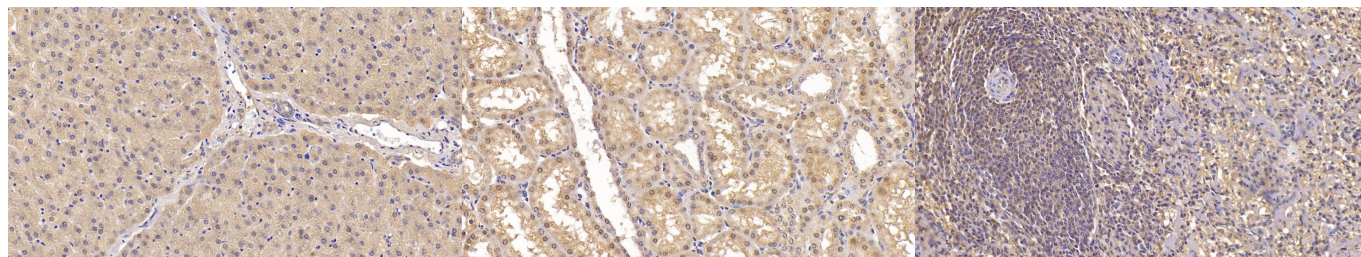
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

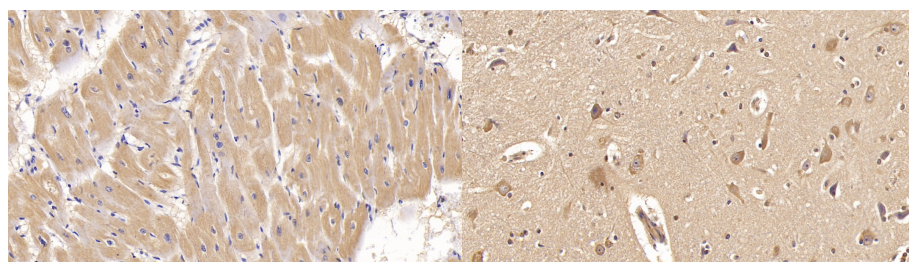
[IDENTIFICATION]



DAB staining on IHC-P; Sample:
Human Liver Tissue; Primary Ab:
20µg/ml Mouse Anti-Human ACVR2A
Antibody Second Ab: 2µg/mL HRP-
Linked Caprine Anti-Mouse IgG
Polyclonal Antibody (Catalog:
SAA544Mu19)

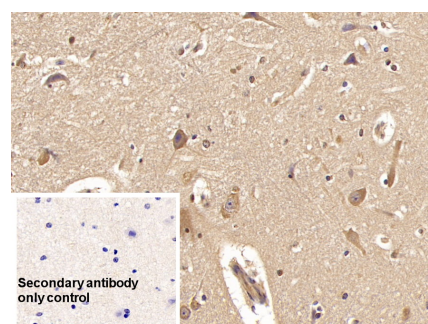
DAB staining on IHC-P;
Sample: Human Kidney Tissue;
Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Spleen Tissue;
Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

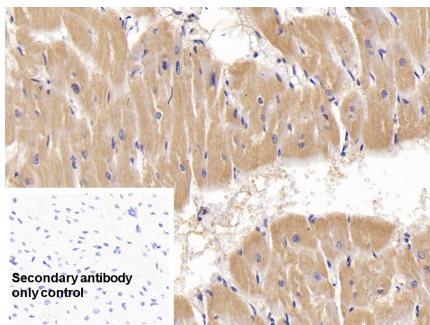


DAB staining on IHC-P;
Sample: Human Cardiac Muscle
Tissue;
Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Cerebrum Tissue;
Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Cerebrum Tissue
Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;

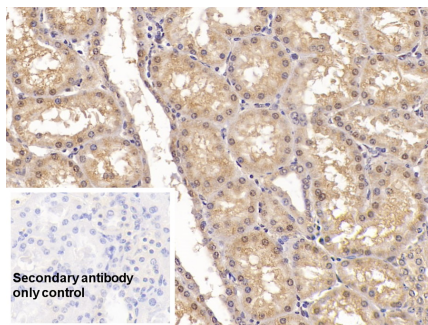
Sample: Human Cardiac Muscle Tissue

Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)



DAB staining on IHC-P;

Sample: Human Kidney Tissue

Primary Ab: 20µg/ml Mouse Anti-
Human ACVR2A Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)

[**IMPORTANT NOTE**]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.