

PAC121Hu01

Polyclonal Antibody to SMAD family member 9 (SMAD9)

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: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 10µL

Cross Reactivity: Mouse;Rat

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant SMAD9 (Thr226~Pro459) expressed in *E.coli*

Accession No.: RPC121Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

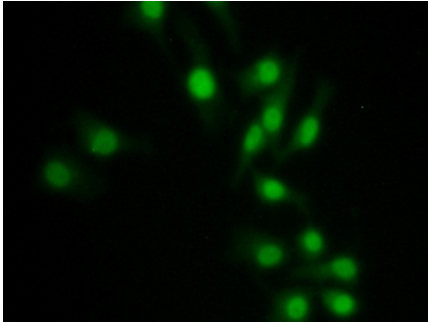
Store at 4°C for frequent use.

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

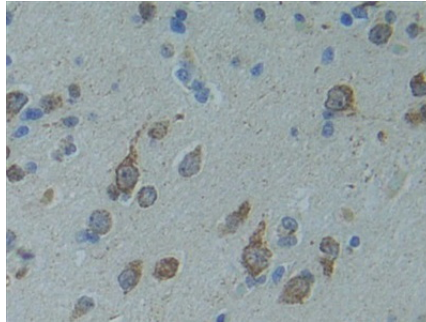
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

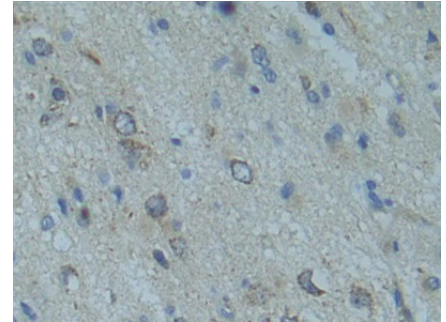
[IDENTIFICATION]



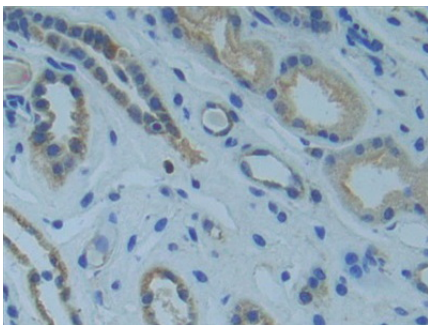
FITC staining on IF; Samples: Human HepG2 Cells; Primary Ab: 20µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 1µg/ml FITC-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb18)



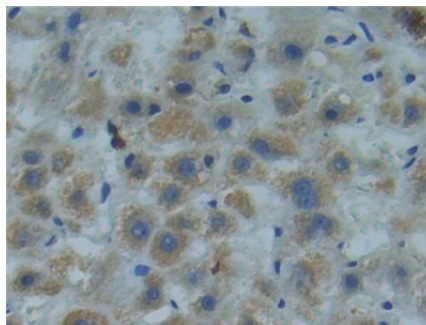
DAB staining on IHC-P; Samples: Human Cerebrum Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



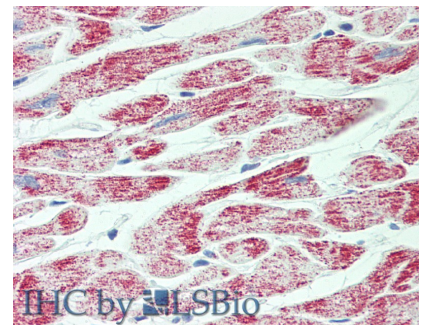
DAB staining on IHC-P; Samples: Human Glioma Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



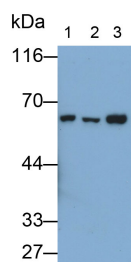
DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Human Liver cancer Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Vector Red staining on IHC-P; Samples: Human Heart Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human Smad9 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



Western Blot; Samples: Lane1: Hela
cell lysate; Lane2: HepG2 cell lysate;

Lane3: 293T cell lysate;

Primary Ab: 0.3 μ g/ml Rabbit Anti-
Human SMAD9 Antibody

Second Ab: 0.2 μ g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)

[**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.