

MAC123Hu22

Monoclonal Antibody to SMAD family member 3 (SMAD3)

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: C4

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

Cross Reactivity: Porcine.

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant SMAD3 (Phe231~Ser425) expressed in *E.coli*

Accession No.: RPC123Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-40μg/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.

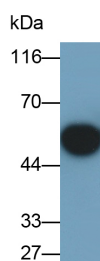
Store at 4°C for frequent use.

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

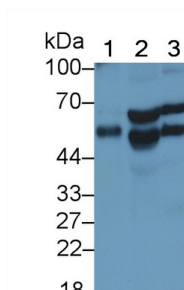
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

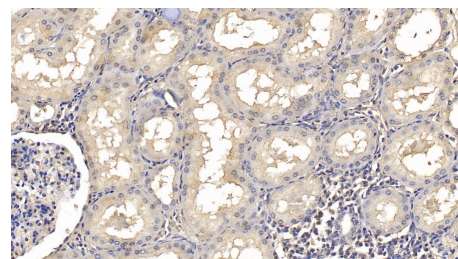
[IDENTIFICATION]



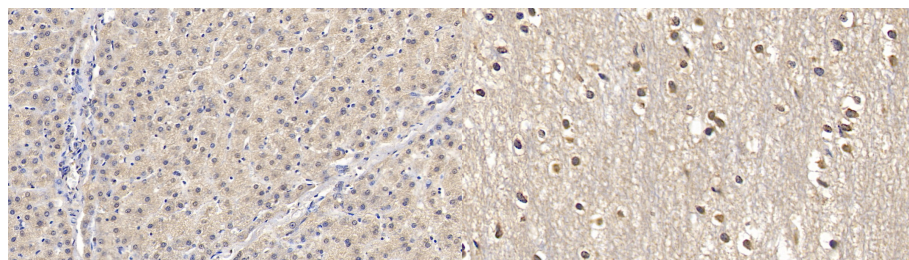
Western Blot; Sample: Porcine
Pancreas lysate
Primary Ab: 0.2µg/ml Mouse Anti-
Human SMAD3 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



Western Blot; Sample: Lane1: Porcine
Pancreas lysate; Lane2: Jurkat cell
lysate; Lane3: 293T cell lysate
Primary Ab: 2µg/ml Mouse Anti-Human
Smad3 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Rabbit Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Kidney Tissue;
Primary Ab: 40µg/ml Mouse Anti-
Human Smad3 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Liver Tissue;
Primary Ab: 40µg/ml Mouse Anti-
Human Smad3 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: 40µg/ml Mouse Anti-
Human Smad3 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.