

PAC256Hu01

Polyclonal Antibody to Survival Motor Neuron Protein (SMN)

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: 200μL

Cross Reactivity: N/A

Applications: WB; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant SMN (Ala2~Asn294) expressed in *E.coli*

Accession No.: RPC256Hu01

[APPLICATIONS]

Western blotting: 0.01-3μg/mL;

Immunofluorescence: 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.

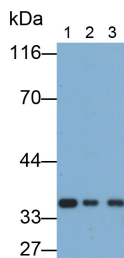
Store at 4°C for frequent use.

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

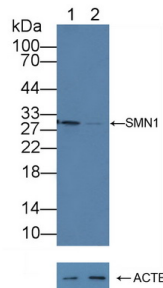
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

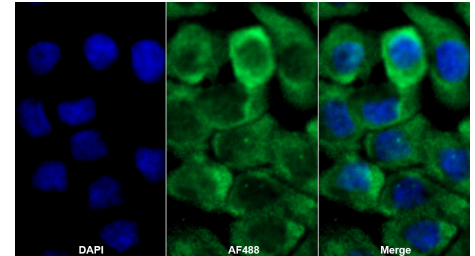
[IDENTIFICATION]



Western Blot; Samples: Lane1: 293T cell lysate; Lane2: HeLa cell lysate; Lane3: HepG2 cell lysate;
Primary Ab: 0.2µg/ml Rabbit Anti-Human SMN Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Knockout Varification:
Lane 1: Wild-type HeLa cell lysate; Lane 2: SMN1 knockout HeLa cell lysate;
Predicted MW: 31,30,28,27kd
Observed MW: 30kd
Primary Ab: 3µg/ml Rabbit Anti-Human SMN1 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: A431 cell
Primary Ab: 20µg/ml Rabbit Anti-Human SMN Antibody
Second Ab: 2µg/ml AF488-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb11)

[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.