



**CAF548Hu22**

**Anti-Lamin B1 (LMNB1) Monoclonal Antibody**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR RESEARCH USE ONLY

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3rd Edition (Revised in Sep, 2019)

## **[ PROPERTIES ]**

**Host:** Mouse

**Antibody isotype:** IgG2b Kappa

**Purification:** Protein A/G Affinity Chromatography

**Clone number:** C2

**Traits:** Liquid

**Concentration:** 1mg/mL

**Species reactivity:** Human, Mouse, Rat, Guinea pig, Rabbit, Porcine, Bovine, Canine, Caprine, Ovine

**UOM:** 100µl

**Applications:** Loading Control of WB

## **[ IMMUNOGEN ]**

**Immunogen:** Recombinant LMNB1 (Ser52~Gly233) expressed in *E.coli*.

**Accession No.:** RPF548Hu01

## **[ APPLICATIONS ]**

**Western blotting:** 1/10000-1/10000000 (0.1ng/ml-100ng/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.

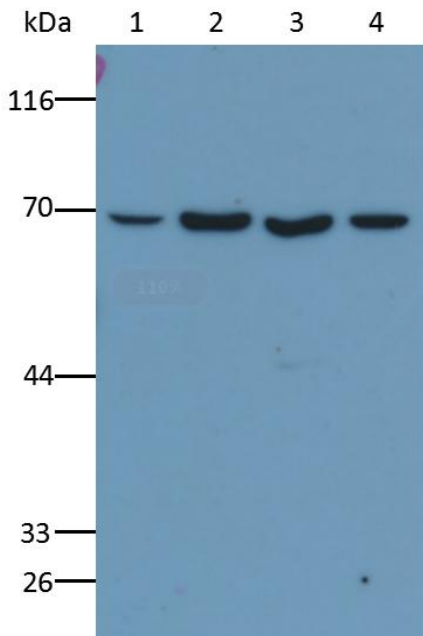
Store at 4°C for frequent use.

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 antibody 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 analysis of LMNB1 in various cell lines**

Lane1: DU145 whole cell lysate

Lane2: HL60 whole cell lysate

Lane3: THP-1 whole cell lysate

Lane4: HEC-1-B whole cell lysate

Lysates/proteins at 20µg per lane.

Primary Ab: anti-LMNB1 antibody (CAF548Hu22) at 0.1ng/ml

Secondary Ab: HRP-conjugated Rabbit anti-mouse antibody (SAA544Mu09) at 1/10000 dilution

Developed using the ECL technique

Calculated MW: 66KD

Observed MW: 66KD

Exposure time: 1 min