

UPF1/RENT1 Monoclonal Antibody

CAB5071

Description

This UPF1/RENT1 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

| | |
|----------------------|---|
| SKU: | CAB5071 |
| Contents: | 20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml) |
| Category: | Monoclonal Antibody |
| Synonyms: | UTF, HUPF1, NORF1, RENT1, smg-2, pNORF1, UPF1/RENT1 |
| Clone: | ARC1268 |
| Applications: | WB IF/ICC IP ELISA |
| Conjugation: | Unconjugated |
| Reactivity: | Human, Mouse, Rat |

Antibody Data

| | |
|-----------------------|-----------------------|
| Gene ID: | 5976 |
| Uniprot: | AB_2863432 |
| Host Species: | Rabbit |
| Purification: | Affinity purification |
| Observed MW: | 140kDa |
| Calculated MW: | 124kDa |

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

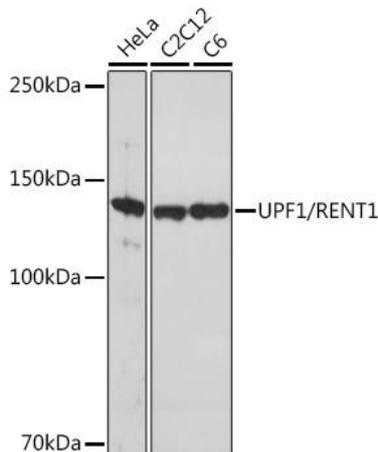
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: HeLa, C2C12, C6

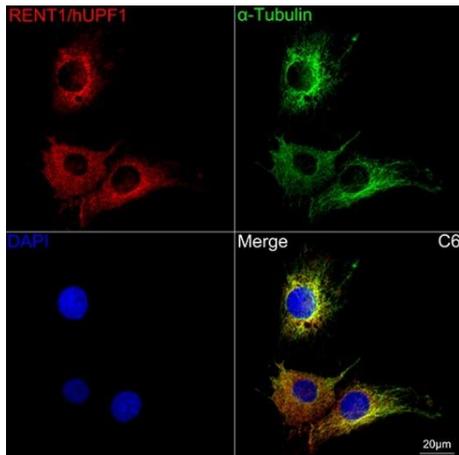
| | | |
|-------------------------------|---------------|---|
| Recommended Dilutions: | WB | 1:1000 - 1:6000 |
| | IF/ICC | 1:50 - 1:200 |
| | IP | 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells |
| | ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data



Western blot analysis of various lysates using /RENT1 Rabbit mAb (CAB5071) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Confocal imaging of cells using /RENT1 Rabbit mAb (CAB5071, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007,dilution 1:500)(Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.