

## SUN1 Rabbit mAb

Catalog No: #49956

Package Size: #49956-1 50ul #49956-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

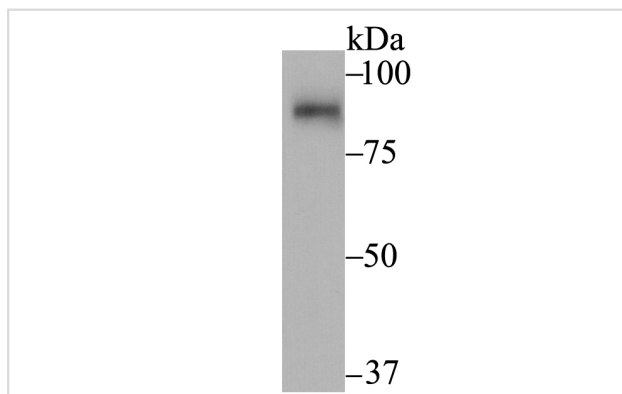
## Description

|                       |  |
|-----------------------|--|
| Product Name          | SUN1 Rabbit mAb  |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Clone No.             | JG95-31  |
| Purification          | ProA affinity purified   |
| Applications          | WB,IHC,ICC,FC  |
| Species Reactivity    | Hu, Rt   |
| Immunogen Description | Recombinant protein corresponding to C-terminal human SUN1.  |
| Other Names           | Protein unc-84 homolog A antibody Sad1 and UNC84 domain containing 1 antibody Sad1/unc 84 protein like 1 antibody Sad1/unc-84 protein-like 1 antibody Sun domain-containing protein 1 antibody Sun1 antibody SUN1_HUMAN antibody UNC 84 homolog A (C elegans) antibody UNC 84A antibody UNC84 A antibody UNC84 antibody UNC84 homolog A (C elegans) antibody UNC84A antibody |
| Accession No.         | Swiss-Prot#:O94901   |
| Uniprot               | O94901   |
| GeneID                | 23353;   |
| Calculated MW         | 90 kDa   |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.   |
| Storage               | Store at -20°C   |

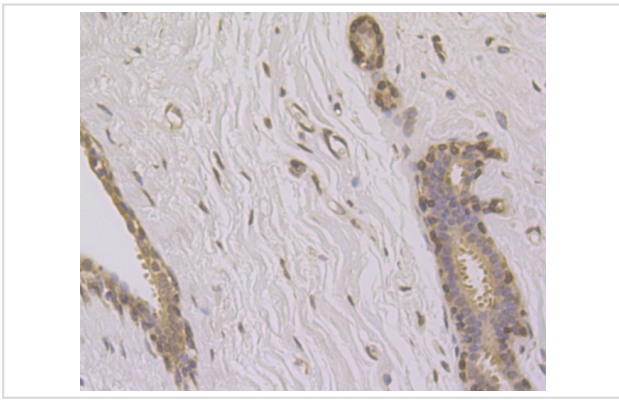
## Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

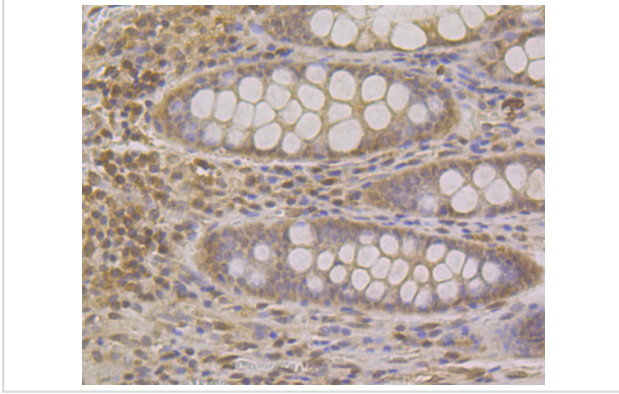
## Images



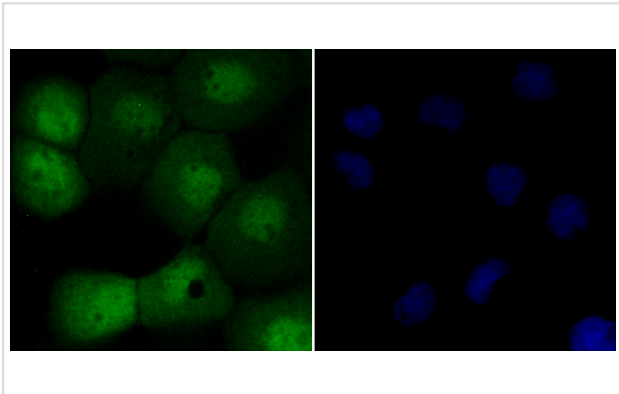
Western blot analysis of SUN1 on rat kidney tissue lysate using anti-SUN1 antibody at 1/2,000 dilution.



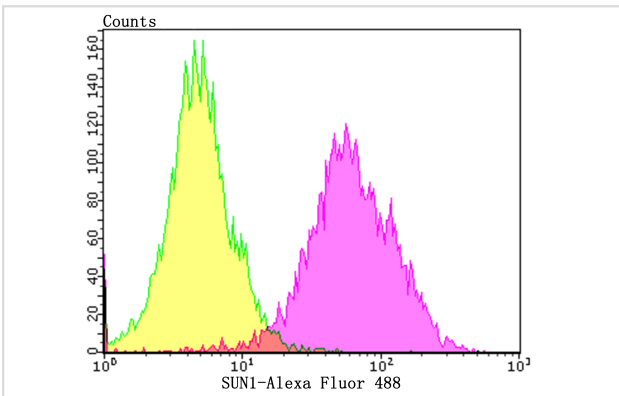
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-SUN1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-SUN1 antibody. Counter stained with hematoxylin.



ICC staining SUN1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with SUN1 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

UNC84A (UNC84 homolog A), also known as SUN1, is a multi-pass nuclear membrane protein that is involved in nuclear anchoring and migration. Highly expressed in heart, brain and testis, UNC84A functions as an A-type Lamin-binding protein that forms a link between the inner and outer nuclear envelope membranes. This link acts as a structural bridge between the nuclear interior and the Actin cytoskeleton and is essential for proper localization of nuclear envelope proteins. Additionally, UNC84A may be involved in telomere attachment and in normal testis development. UNC84A contains one UNC84 (SUN) domain and exists as four isoforms due to alternative splicing events.

## References

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Note: This product is for in vitro research use only