

## SUN2 Rabbit mAb

Catalog No: #49957

Package Size: #49957-1 50ul #49957-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

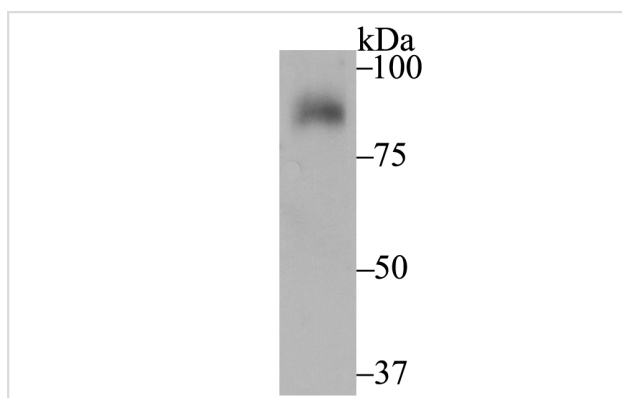
## Description

Product Name	SUN2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG39-52
Purification	ProA affinity purified
Applications	WB,IHC,FC,ICC,IF
Species Reactivity	Hu, Ms, Rt
Other Names	FRIGG antibody KIAA0668 antibody nuclear envelope protein antibody Protein unc-84 homolog B antibody Rab5 interacting protein antibody RAB5IP antibody Sad1 and UNC84 domain containing 2 antibody Sad1 unc-84 domain protein 2 antibody Sad1 unc84 domain protein antibody Sad1/unc-84 protein-like 2 antibody Sad1/unc84 protein-like antibody SUN domain-containing protein 2 antibody UNC 84B antibody unc84 homolog B (C. elegans) antibody unc84 homolog B antibody unc84, C. elegans, homolog of, B antibody UNC84B antibody
Accession No.	Swiss-Prot#:Q9UH99
Uniprot	Q9UH99
GeneID	25777;
Calculated MW	80 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

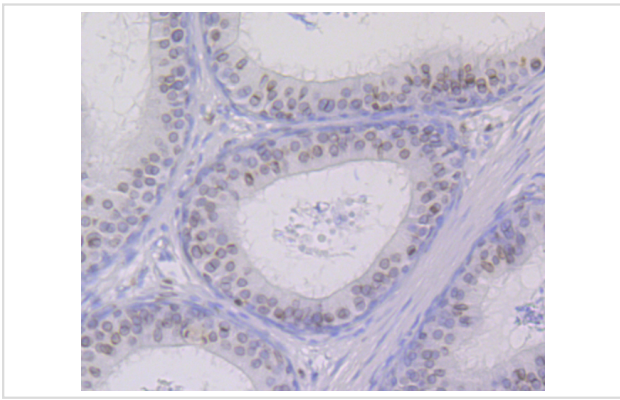
## Application Details

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

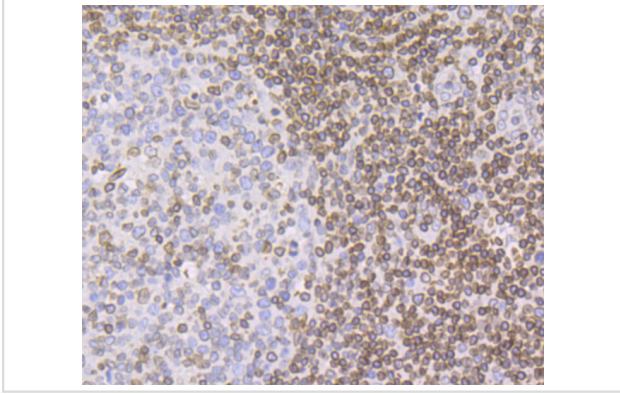
## Images



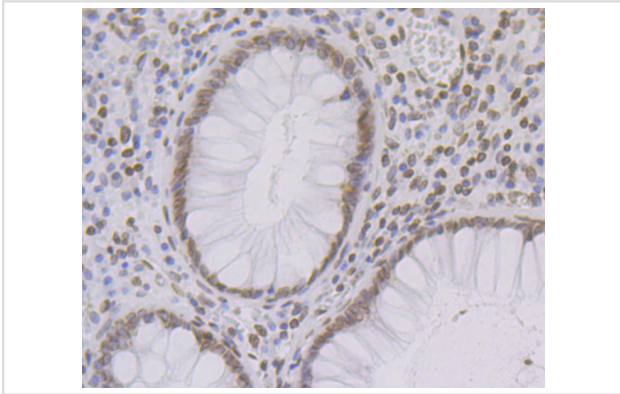
Western blot analysis of SUN2 on rat kidney tissue lysate using anti-SUN2 antibody at 1/2,000 dilution.



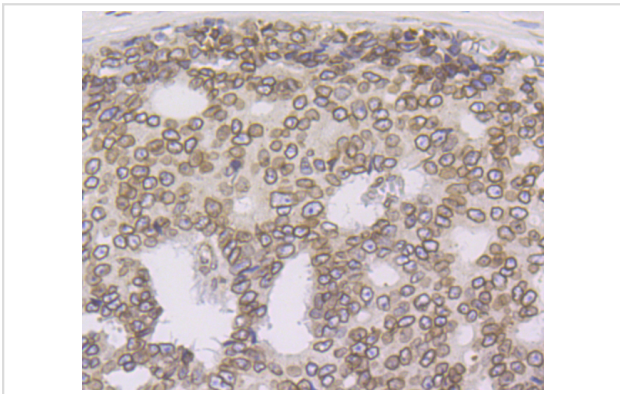
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SUN2 antibody. Counter stained with hematoxylin.



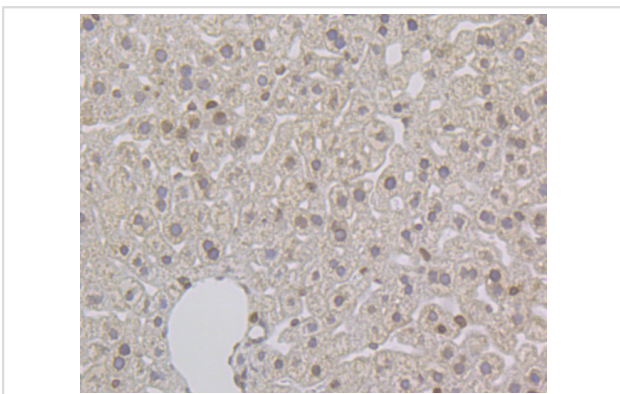
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SUN2 antibody. Counter stained with hematoxylin.



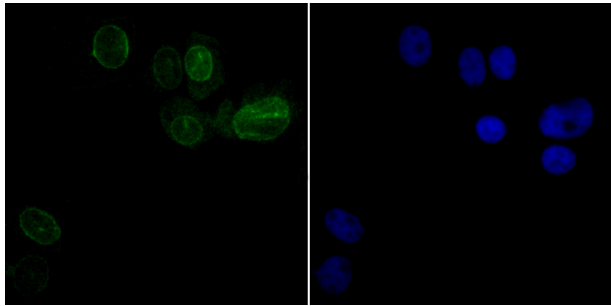
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-SUN2 antibody. Counter stained with hematoxylin.



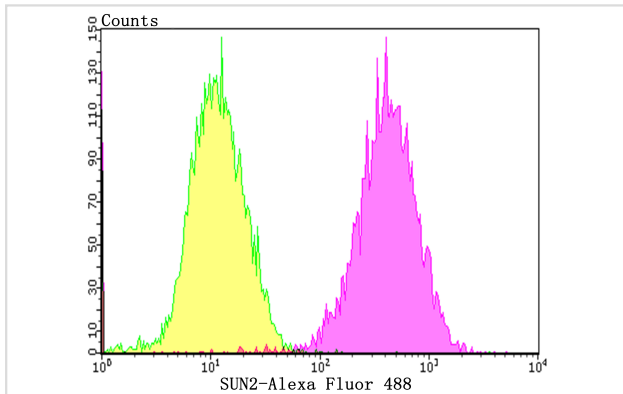
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-SUN2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-SUN2 antibody. Counter stained with hematoxylin.



ICC staining SUN2 (green) in SK-Br-3 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SK-Br-3 cells with SUN2 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

SUN2 (*sad1/unc-84 protein-like 2*), also known as *UNC84B* (*unc-84 homolog B*), *FRIGG*, *KIAA0668* or *RAB5IP*, is a 717 amino acid single-pass membrane protein that contains one SUN domain and localizes to the membrane of both the nucleus and the endosome. Widely expressed in a variety of tissues, including lung, muscle and heart, SUN2 interacts with Rab 5A and may play a role in homotypic endosome fusion. The gene encoding SUN2 maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia. Additionally, translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein BCR-Abl, a potent cell proliferation activator found in several types of leukemias.

## References

Note: This product is for in vitro research use only