

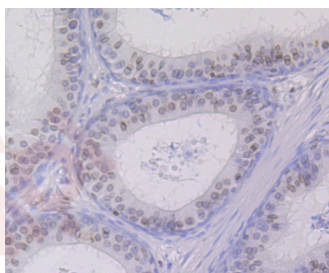
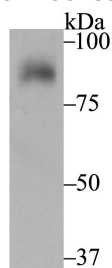
Anti-SUN2 Antibody (2Y616)

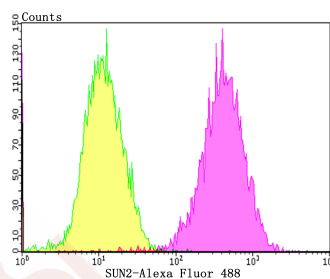
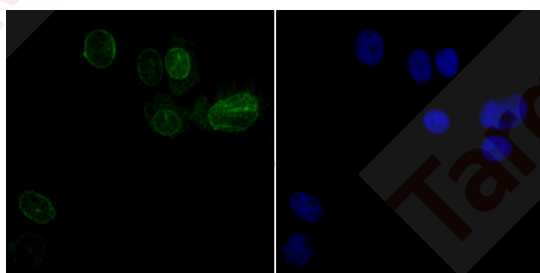
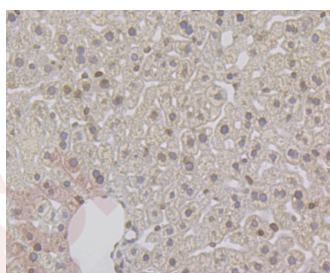
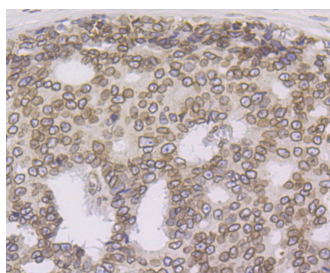
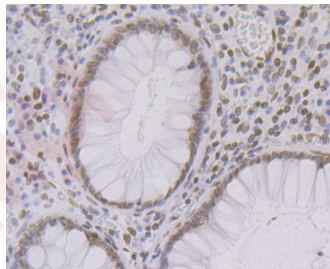
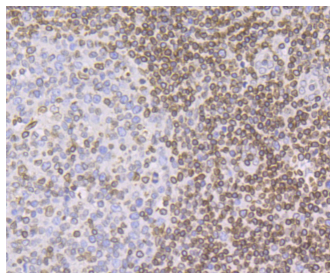
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 80 kDa.
Clone:	2Y616
Purification:	ProA affinity purified

Applications

1. Western blot analysis of SUN2 on rat kidney tissue lysate using anti-SUN2 antibody at 1/2,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SUN2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SUN2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-SUN2 antibody. Counter stained with hematoxylin.
- Verified Activity: 5. Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-SUN2 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-SUN2 antibody. Counter stained with hematoxylin.
7. 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.
8. 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.





Application: FCM, ICC, IF, IHC, WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC:IF: 1:50-100; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Uniprot ID: Q9UH99

Rab5 interacting protein;UNC 84B;unc84 homolog B (C. elegans);KIAA0668;UNC84B;Sad1 unc84 domain protein;Sad1/unc-84 protein-like 2;RAB5IP;unc84 homolog B;nuclear envelope protein;FRIGG;unc84, C. elegans, homolog of, B;SUN 2;Sad1 unc-84 domain protein 2;Protein unc-84 homolog B;Sad1 and UNC84 domain containing 2;Sad1/unc84 protein-like;SUN domain-containing protein 2

Synonyms:

Research 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.

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