

Rabbit SUN2 Monoclonal Antibody | anti-SUN2 antibody

SUN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30514	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence

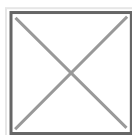
PRODUCT SYNONYMS

SUN2; Monoclonal Antibody; SUN2 Antibody; 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; anti-SUN2 antibody

PRODUCT SPECIFICATIONS

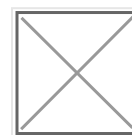
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JG39-52
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SUN2 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC/IF: 1:50-1:100 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

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.



ICC (Immunocytochemistry)

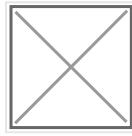
ICC staining SUN2 (green) in SK-Br-3 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

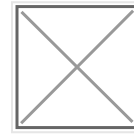
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-SUN2 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

ADDITIONAL INFORMATION

Related Product Information for anti-SUN2 antibody	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.
Product Categories/Family for anti-SUN2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760645
NCBI GeneID	25777
NCBI Accession #	NP_001186509.1
NCBI GenBank Nucleotide #	NM_001199580.1
UniProt Accession #	Q9UHH9 ; O75156 ; Q2NKN8 ; Q2T9F7 ; Q504T5 ; Q6B4H1 ; Q7Z3E3 ; B0QY62
Molecular Weight	79,612 Da
NCBI Official Full Name	SUN domain-containing protein 2 isoform b
NCBI Official Synonym Full Names	Sad1 and UNC84 domain containing 2
NCBI Official Symbol	SUN2
NCBI Official Synonym Symbols	UNC84B
NCBI Protein Information	SUN domain-containing protein 2; Sad1 unc-84 domain protein 2; nuclear envelope protein; protein unc-84 homolog B; rab5-interacting protein; rab5IP; sad1/unc-84 protein-like 2
UniProt Protein Name	SUN domain-containing protein 2
UniProt Gene Name	SUN2
UniProt Synonym Gene Names	FRIGG; KIAA0668; RAB5IP; UNC84B; Rab5IP
UniProt Entry Name	SUN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sun2-antibody-clone-jg39-52-western-blot-immunohistochemistry-flow-cytometry-immunocytochemistry-immunofluorescence-elisa/30514>