

Rabbit anti-Human SUN2 Polyclonal Antibody | anti-SUN2 antibody

Anti-SUN2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19483	Rabbit	Human	Immunohistochemistry, Immunocytochemistry, Immunofluorescence, ELISA

PRODUCT SYNONYMS

SUN2; Polyclonal Antibody; Anti-SUN2 Antibody Picoband; anti-SUN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SUN2 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA
Application Notes	IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SUN2 recombinant protein (Position: Q31-L695).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 8. IF analysis of SUN2 using anti-SUN2 antibody (AAA19483). SUN2 was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of SUN2 using anti-SUN2 antibody (AAA19483). SUN2 was detected in a paraffin-embedded section of human ovarian serous adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



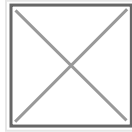
IHC (Immunohistochemistry)

Figure 6. IHC analysis of SUN2 using anti-SUN2 antibody (AAA19483).SUN2 was detected in a paraffin-embedded section of human renal pelvis is squamous metaplasia tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



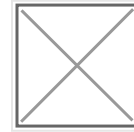
IHC (Immunohistochemistry)

Figure 5. IHC analysis of SUN2 using anti-SUN2 antibody (AAA19483).SUN2 was detected in a paraffin-embedded section of human papillary carcinoma of the left breast tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of SUN2 using anti-SUN2 antibody (AAA19483).SUN2 was detected in a paraffin-embedded section of human infiltrating adenocarcinoma of the lung tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of SUN2 using anti-SUN2 antibody (AAA19483).SUN2 was detected in a paraffin-embedded section of human renal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SUN2 Antibody (AAA19483) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SUN2 antibody	SUN1 and SUN2 are inner nuclear membrane (INM) proteins that play a major role in nuclear-cytoplasmic connection by formation of a 'bridge' across the nuclear envelope, known as the LINC complex, via interaction with the conserved luminal KASH domain of nesprins located in the outer nuclear membrane (ONM). The LINC complex provides a direct connection between the nuclear lamina and the cytoskeleton, which contributes to nuclear positioning and cellular rigidity.
Product Categories/Family for anti-SUN2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760645
NCBI GeneID	25777
NCBI Accession #	NP_001186509.1
NCBI GenBank Nucleotide #	NM_001199580.1
UniProt Accession #	Q9UH99; 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/polyclonal/sun2-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/19483>