

Rabbit SUN2 Polyclonal Antibody | anti-SUN2 antibody

SUN2 Antibody

CATALOG # AAA234893	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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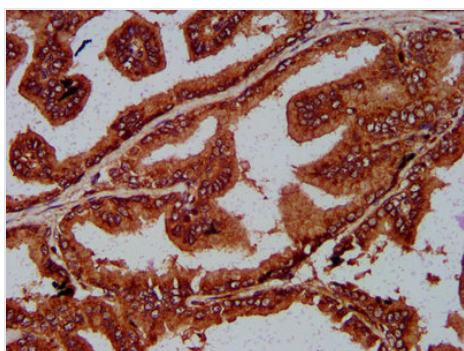
PRODUCT SYNONYMS

SUN2; Polyclonal Antibody; SUN2 Antibody; SUN domain-containing protein 2; Protein unc-84 homolog B; Rab5-interacting protein; Rab5IP; Sad1/unc-84 protein-like 2; FRIGG; KIAA0668; RAB5IP; UNC84B; anti-SUN2 antibody

PRODUCT SPECIFICATIONS

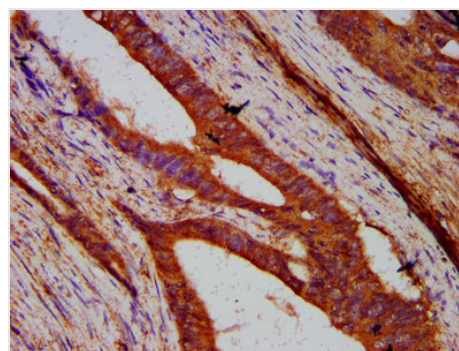
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	738
Applicable Applications for anti-SUN2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human SUN domain-containing protein 2 protein (45-155AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



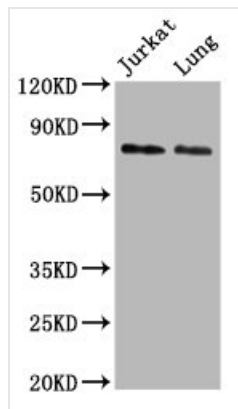
IHC (Immunohistochemistry)

IHC image of AAA234893 diluted at 1:200 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234893 diluted at 1:200 and staining in paraffin-embedded human colon cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Jurkat whole cell lysate, Rat lung tissueAll lanes: SUN2 antibody at 4.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 81, 83, 80 KDaObserved band size: 81 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SUN2 antibody	As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Specifically, SYNE2 and SUN2 assemble in arrays of transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow during actin-dependent nuclear movement. Required for interkinetic nuclear migration (INM) and essential for nucleokinesis and centrosome-nucleus coupling during radial neuronal migration in the cerebral cortex and during glial migration. Required for nuclear migration in retinal photoreceptor progenitors implicating association with cytoplasmic dynein-dynactin and kinesin motor complexes, and probably B-type lamins; SUN1 and SUN2 seem to act redundantly. The SUN1/2:KASH5 LINC complex couples telomeres to microtubules during meiosis; SUN1 and SUN2 seem to act at least partial redundantly. Anchors chromosome movement in the prophase of meiosis and is involved in selective gene expression of coding and non-coding RNAs needed for gametogenesis. Required for telomere attachment to nuclear envelope and gametogenesis. May also function on endocytic vesicles as a receptor for RAB5-GDP and participate in the activation of RAB5.
Product Categories/Family for anti-SUN2 antibody	Tags & Cell Markers; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760643
NCBI GeneID	25777
NCBI Accession #	NP_001186508.1
NCBI GenBank Nucleotide #	NM_001199579.1
UniProt Accession #	Q9UHQ9; O75156; Q2NKN8; Q2T9F7; Q504T5; Q6B4H1; Q7Z3E3; B0QY62
Molecular Weight	79,612 Da
NCBI Official Full Name	SUN domain-containing protein 2 isoform a
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
UniProt Protein Name	SUN domain-containing protein 2
UniProt Gene Name	SUN2

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-western-blot-elisa/234893>