

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

SUN2 Rabbit mAb

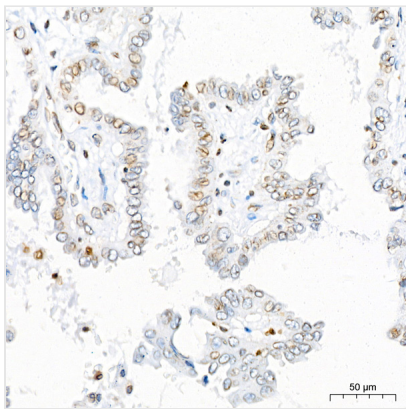
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28533	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

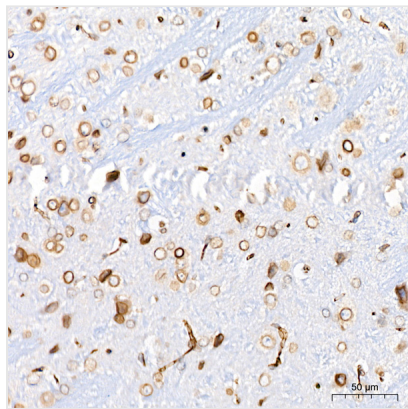
SUN2; Monoclonal Antibody; SUN2 Rabbit mAb; UNC84B; rab5IP; anti-SUN2 antibody

PRODUCT SPECIFICATIONS

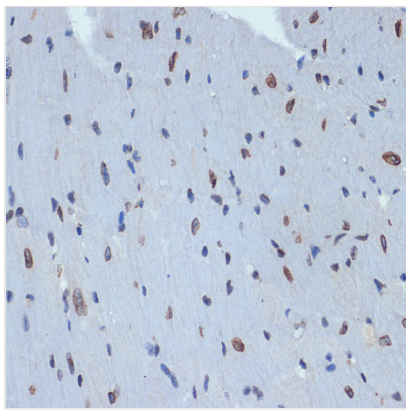
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	RIRPTAVTLE HVPKALSPNS TISSAPKDFA IFGFDEDLQQ EGTLLGKFTY DQDGEPIQTF HFQAPTMATY QVVELRILTN WGHPEYTCIY RFRVHGEPAH
Applicable Applications for anti-SUN2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:1000-1:5000 IHC-P: 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 618-717 of human SUN2 (Q9UH99).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



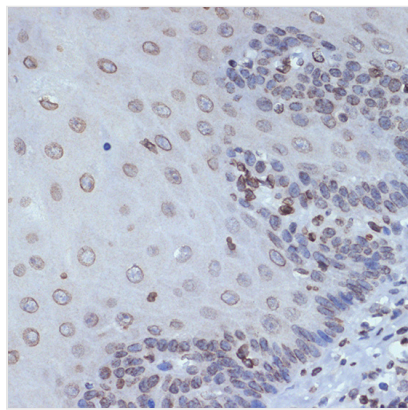
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using SUN2 Rabbit mAb (AAA28533) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



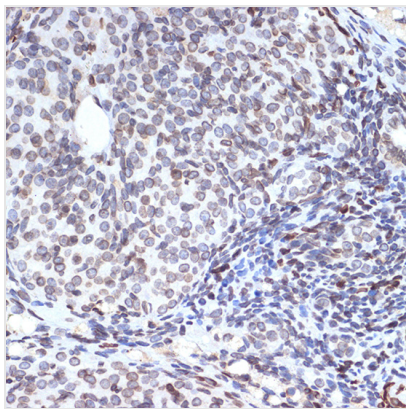
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using SUN2 Rabbit mAb (AAA28533) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



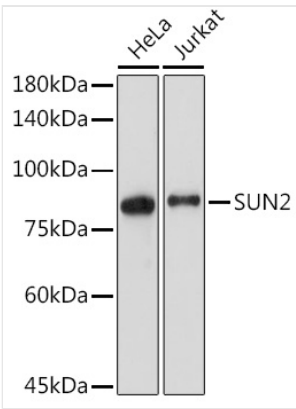
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma tissue using SUN2 Rabbit mAb (AAA28533) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using SUN2 Rabbit mAb (AAA28533) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using SUN2 Rabbit mAb (AAA28533) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of various lysates using SUN2 Rabbit mAb (AAA28533) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-SUN2 antibody	SUN1 (MIM 607723) 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 (e.g., SYNE1; MIM 608441) 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 (summary by Haque et al., 2010 [PubMed 19933576]).
Product Categories/Family for anti-SUN2 antibody	Signal Transduction; Cell Biology Developmental Biology; Apoptosis; Cytoskeleton; Microfilaments; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760645
NCBI GeneID	25777
NCBI Accession #	NP_001186509.1
NCBI GenBank Nucleotide #	NM_001199580.1
UniProt Accession #	Q9UHQ9; O75156; Q2NKN8; Q2T9F7; Q504T5; Q6B4H1; Q7Z3E3; B0QY62
Molecular Weight	Calculated MW: 80kDa Observed MW: 80kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/sun2-antibody-western-blot-immunohistochemistry-elisa/28533>