

Rabbit anti-Human SDCCAG1/NEMF Polyclonal Antibody | anti-SDCCAG1/NEMF antibody

Anti-SDCCAG1/NEMF Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127557	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

SDCCAG1/NEMF; Polyclonal Antibody; Anti-SDCCAG1/NEMF Antibody Picoband; tudor domain containing 3; Tudor domain-containing protein 3; TDRD3; anti-SDCCAG1/NEMF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
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 .
Applicable Applications for anti-SDCCAG1/NEMF antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human SDCCAG1/NEMF recombinant protein (Position: H81-R607).
Subcellular Localization	Nucleus, Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins.
Preparation and Storage	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 2. IF analysis of SDCCAG1/NEMF using anti-SDCCAG1/NEMF antibody (AAA127557) and anti-Beta Tubulin antibody (M01857-3).SDCCAG1/NEMF was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-SDCCAG1/NEMF Antibody (AAA127557) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of SDCCAG1/NEMF using anti-SDCCAG1/NEMF antibody (AAA127557).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human PC-3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrame was incubated with rabbit anti-SDCCAG1/NEMF antigen affinity purified polyclonal antibody (#AAA127557) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SDCCAG1/NEMF at approximately 140 kDa. The expected band size for SDCCAG1/NEMF is at 123,130-140 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SDCCAG1/NEMF antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-SDCCAG1/NEMF antibody	Primary Antibodies ; Adaptive Immunity ; B Cells ; Immunoglobulins ; Immunology
References	1. Ahmed, A., Wang, M., Bergant, G., Maroofian, R., Zhao, R., Alfadhel, M., Nashabat, M., AlRifai, M. T., Eyaid, W., Alsawid, A., Beetz, C., Qin, Y., and 21 others. Biallelic loss-of-function variants in NEMF cause central nervous system impairment and axonal polyneuropathy. Hum. Genet. 140: 579-592, 2021. 2. Anazi, S., Maddirevula, S., Fageih, E., Alsedairy, H., Alzahrani, F., Shamseldin, H. E., Patel, N., Hashem, M., Ibrahim, N., Abdulwahab, F., Ewida, N., Alsaif, H. S., and 36 others. Clinical genomics expands the morbid genome of intellectual disability and offers a high diagnostic yield. Molec. Psychiat. 22: 615-624, 2017. 3. Carboneille, D., Liehr, T., Jacquot, C., Masson, D., Lustenberger, P., Denis, M. G., Roussakis, C. Assignment of the serologically defined colon cancer antigen 1 gene (SDCCAG1) to human chromosome band 14q22 by in situ hybridization. Cytogenet. Cell Genet. 86: 248-249, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32130516
NCBI GeneID	9147
NCBI Accession #	NP_004704.2
NCBI GenBank Nucleotide #	NM_004713.3
UniProt Accession #	O60524; Q32Q66; Q8WW70; Q9NWX1; A0JLQ3; B3KSK1; B4DDL3; B4DHA9; B4E3F3
Molecular Weight	122,954 Da
NCBI Official Full Name	nuclear export mediator factor NEMF
NCBI Official Synonym Full Names	nuclear export mediator factor
NCBI Official Symbol	NEMF
NCBI Official Synonym Symbols	NY-CO-1; SDCCAG1
NCBI Protein Information	nuclear export mediator factor NEMF; antigen NY-CO-1; serologically defined colon cancer antigen 1
UniProt Protein Name	Nuclear export mediator factor NEMF
UniProt Gene Name	NEMF

UniProt Synonym Gene Names	SDCCAG1
UniProt Entry Name	NEMF_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/sdccag1-nemf-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127557>