

Rabbit Sacsin Polyclonal Antibody | anti-SACS antibody

Anti-Sacsin Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124580	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

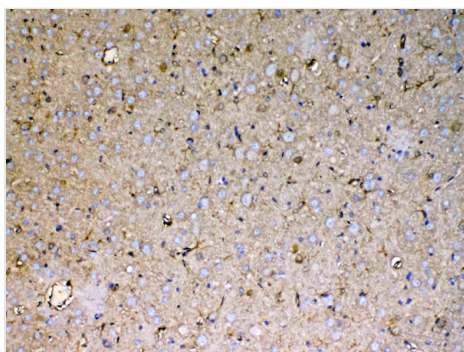
PRODUCT SYNONYMS

Sacsin; Polyclonal Antibody; Anti-Sacsin Picoband antibody; DnaJ homolog subfamily C member 29; DNAJC29; SACS; KIAA0730; anti-SACS antibody

PRODUCT SPECIFICATIONS

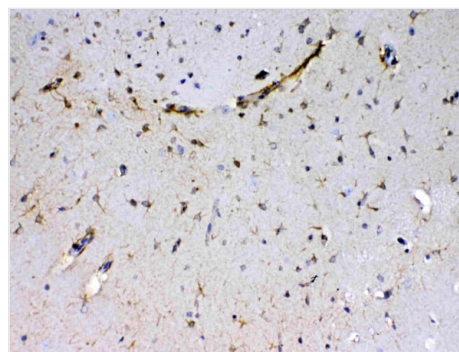
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Sequence Length	3,829
Applicable Applications for anti-SACS antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived human Sacsin recombinant protein (Position: E3709-L3909).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



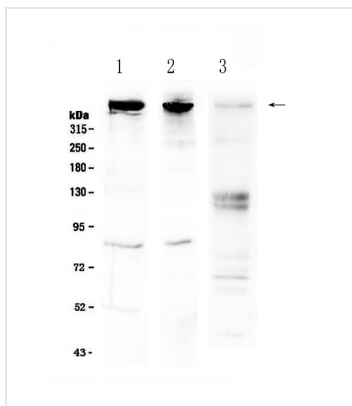
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Sacsin using anti-Sacsin antibody (AAA124580). Sacsin was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Sacsin Antibody (AAA124580) 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 2. IHC analysis of Sacsin using anti-Sacsin antibody (AAA124580). Sacsin was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Sacsin Antibody (AAA124580) 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.



WB (Western Blot)

Figure 1. Western blot analysis of Sacsin using anti-Sacsin antibody (AAA124580). 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 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain tissue lysates, Lane 3: human Hela cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Sacsin antigen affinity purified polyclonal antibody 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 1:10000 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 Sacsin at approximately 521KD. The expected band size for Sacsin is at 521KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SACS antibody	Description: Sacsin also known as DnaJ homolog subfamily C member 29 (DNAJC29) is a protein that in humans is encoded by the SACS gene. This gene consists of nine exons including a gigantic exon spanning more than 12.8k bp. It encodes the saccin protein, which includes a UBQ region at the N-terminus, a HEPN domain at the C-terminus and a DnaJ region upstream of the HEPN domain. This modular protein is essential for normal mitochondrial network organization. The gene is highly expressed in the central nervous system, also found in skin, skeletal muscles and at low levels in the pancreas. Mutations in this gene result in autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS), a neurodegenerative disorder characterized by early-onset cerebellar ataxia with spasticity and peripheral neuropathy. Protein Function: Co-chaperone which acts as a regulator of the Hsp70 chaperone machinery and may be involved in the processing of other ataxia-linked proteins.
Product Categories/Family for anti-SACS antibody	Epigenetics and Nuclear Signaling; Transcription; Domain Families; HLH/Leucine Zipper; Signal Transduction; Protein Trafficking; chaperones; Other chaperones; Metabolism; Pathways and Processes; Mitochondrial Metabolism; Mitochondrial Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659918
NCBI GeneID	26278
NCBI Accession #	NP_055178.3
NCBI GenBank Nucleotide #	NM_014363.5
UniProt Accession #	Q9NZJ4; O94835; Q5T9J5; Q5T9J7; Q5T9J8; Q68DF5; Q6MZR4; Q8NBF9
NCBI Official Full Name	sacsin isoform 1
NCBI Official Synonym Full Names	sacsin molecular chaperone
NCBI Official Symbol	SACS
NCBI Official Synonym Symbols	SPAX6; ARSACS; DNAJC29; PPP1R138

NCBI Protein Information	sacsin
UniProt Protein Name	Sacsin
UniProt Gene Name	SACS
UniProt Synonym Gene Names	KIAA0730; DNAJC29

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://www.aaabiotech.com/polyclonal/sacsin-antibody-western-blot-immunohistochemistry-elisa/124580>