

Rabbit STRN3 Polyclonal Antibody | anti-STRN3 antibody

Anti-STRN3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127395	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

STRN3; Polyclonal Antibody; Anti-STRN3 Antibody Picoband; anti-STRN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-STRN3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human STRN3 recombinant protein (Position: D243-H690). Human STRN3 shares 95.2% and 95.1% amino acid (aa) sequence identity with mouse and rat STRN3, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-STRN3 antibody (AAA127395). Overlay histogram showing HepG2 cells stained with AAA127395 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-STRN3 Antibody (AAA127395, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of STRN3 using anti-STRN3 antibody (AAA127395). STRN3 was detected in an immunocytochemical section of HELA cells. 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-STRN3 Antibody (AAA127395) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 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.



WB (Western Blot)

Figure 1. Western blot analysis of STRN3 using anti-STRN3 antibody (AAA127395). 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 Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat H9C2(2-1) whole cell lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse NIH/3T3 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 membrane was incubated with rabbit anti-STRN3 antigen affinity purified polyclonal antibody (#AAA127395) at 0.25ug/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 STRN3 at approximately 94 kDa. The expected band size for STRN3 is at 87,78 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STRN3 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-STRN3 antibody	Primary Antibodies
References	1. Castets, F., Rakitina, T., Gaillard, S., Moqrich, A., Mattei, M.-G., Monneron, A. Zinedin, SG2NA, and striatin are calmodulin-binding, WD repeat proteins principally expressed in the brain. J. Biol. Chem. 275: 19970-19977, 2000. 2. Dickinson, M. E., Flenniken, A. M., Ji, X., Teboul, L., Wong, M. D., White, J. K., Meehan, T. F., Weninger, W. J., Westerberg, H., Adissu, H., Baker, C. N., Bower, L., and 73 others. High-throughput discovery of novel developmental phenotypes. Nature 537: 508-514, 2016. Note: Erratum: Nature 551: 398 only, 2017. 3. Madsen, C. D., Hooper, S., Tozluoglu, M., Bruckbauer, A., Fletcher, G., Erler, J. T., Bates, P. A., Thompson, B., Sahai, E. STRIPAK components determine mode of cancer cell migration and metastasis. Nature Cell Biol. 17: 68-80, 2015.

NCBI AND UNIPROT INFORMATION

NCBI GI #	142976686
NCBI GeneID	29966
NCBI Accession #	NP_001077362.1
NCBI GenBank Nucleotide #	NM_001083893.1
UniProt Accession #	Q13033; Q9NRA5; A2RTX7; A6NHZ7
Molecular Weight	Predicted MW: 87kDa
NCBI Official Full Name	striatin-3 isoform 1
NCBI Official Synonym Full Names	striatin 3
NCBI Official Symbol	STRN3
NCBI Official Synonym Symbols	SG2NA; S/G2NA; PPP2R6B
NCBI Protein Information	striatin-3
UniProt Protein Name	Striatin-3
UniProt Gene Name	STRN3
UniProt Synonym Gene Names	GS2NA; SG2NA

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stn3-antibody-flow-cytometry-western-blot-elisa/127395>