

Rabbit anti-Human SELENON Polyclonal Antibody | anti-SELENON antibody

Anti-SELENON Antibody Picoband

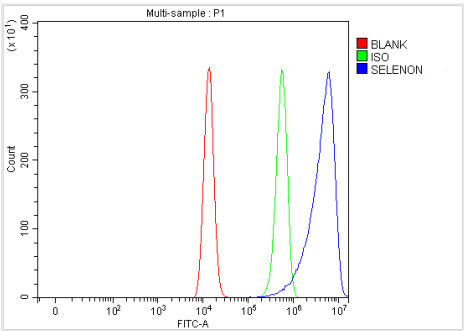
CATALOG # AAA127936	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

SELENON; Polyclonal Antibody; Anti-SELENON Antibody Picoband; Lymphocyte antigen 6A-2/6E-1; retrotransposon Gag like 10; Protein Bop; BH3-only protein; Retrotransposon Gag-like protein 10; RTL10; BOP; C22orf29; anti-SELENON antibody

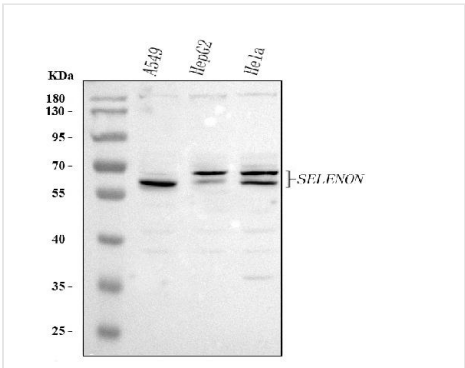
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
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-SELENON antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human SELENON recombinant protein (Position: H260-P590).
Subcellular Localization	Cell membrane, Lipid-anchor, GPI-anchor
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	Could induce apoptosis in a BH3 domain-dependent manner. The interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HEL cells using anti-SELENON antibody (AAA127936). Overlay histogram showing HEL cells stained with AAA127936 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SELENON Antibody (AAA127936, 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of SELENON using anti-SELENON antibody (AAA127936). 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 A549 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human HeLa 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-SELENON antigen affinity purified polyclonal antibody (#AAA127936) 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 SELENON at approximately 66-70 kDa. The expected band size for SELENON is at 66-70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SELENON 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-SELENON antibody	Primary Antibodies; Chemokines; Immunology; Innate Immunity
References	1. Bouman, K., Gubbels, M., van den Heuvel, F. M. A., Groothuis, J. T., Erasmus, C. E., Nijveldt, R., Udink Ten Cate, F. E. A., Voermans, N. C. Cardiac involvement in two rare neuromuscular diseases: LAMA2-related muscular dystrophy and SELENON-related myopathy. Neuromusc. Disord. 32: 635-642, 2022. 2. Castets, P., Bertrand, A. T., Beuvin, M., Ferry, A., Le Grand, F., Castets, M., Chazot, G., Rederstorff, M., Krol, A., Lescure, A., Romero, N. B., Guicheney, P., Allamand, V. Satellite cell loss and impaired muscle regeneration in selenoprotein N deficiency. Hum. Molec. Genet. 20: 694-704, 2011.3. Clarke, N. F., Kidson, W., Quijano-Roy, S., Estournet, B., Ferreiro, A., Guicheney, P., Manson, J. I., Kornberg, A. J., Shield, L. K., North, K. N. SEPN1: associated with congenital fiber-type disproportion and insulin resistance. Ann. Neurol. 59: 546-552, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47578101
NCBI GeneID	57190
NCBI Accession #	NP_996809.1
NCBI GenBank Nucleotide #	NM_206926.1
UniProt Accession #	Q9NZV5; Q6PI70; Q969F6; Q9NUI6; A6NJG8; A8MQ64
Molecular Weight	65,813 Da
NCBI Official Full Name	selenoprotein N isoform 2
NCBI Official Synonym Full Names	selenoprotein N, 1

NCBI Official Symbol	SEPN1
NCBI Official Synonym Symbols	RSS; CFTD; SELN; MDRS1; RSMD1
NCBI Protein Information	selenoprotein N
UniProt Protein Name	Selenoprotein N
UniProt Gene Name	SEPN1
UniProt Synonym Gene Names	SELN; SeIN
UniProt Entry Name	SELN_HUMAN

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Online datasheet: <https://www.aaabiotech.com/polyclonal/selenon-antibody-flow-cytometry-western-blot-elisa/127936>