

Rabbit anti-Human SIRT6 Polyclonal Antibody | anti-SIRT6 antibody

Anti-SIRT6 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127000	Rabbit	Human	Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SIRT6; Polyclonal Antibody; Anti-SIRT6 Antibody Picoband; anti-SIRT6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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-SIRT6 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human SIRT6 recombinant protein (Position: D14-S355). Human SIRT6 shares 82.7% amino acid (aa) sequence identity with both mouse SIRT6.
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 HeLa cells using anti-SIRT6 antibody (AAA127000). Overlay histogram showing HeLa cells stained with AAA127000 (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-SIRT6 Antibody (AAA127000, 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.



IF (Immunofluorescence)

Figure 2. IF analysis of SIRT6 using anti-SIRT6 antibody (AAA127000) and anti-Beta Tubulin antibody (M01857-3). SIRT6 was detected in immunocytochemical section of U2OS 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-SIRT6 Antibody (AAA127000) 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 SIRT6 using anti-SIRT6 antibody (AAA127000). 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 Jurkat whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human K562 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-SIRT6 antigen affinity purified polyclonal antibody (#AAA127000) 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 SIRT6 at approximately 45 kDa. The expected band size for SIRT6 is at 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SIRT6 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-SIRT6 antibody	Primary Antibodies
References	1. Butzow, R., Huhtala, M.-L., Bohn, H., Virtanen, I., Seppala, M. Purification and characterization of placental protein 5. Biochem. Biophys. Res. Commun. 150: 483-490, 1988. Note: Erratum: Biochem. Biophys. Res. Commun. 151: 630-631, 1988.2. Kisiel, W., Sprecher, C. A., Foster, D. C. Evidence that a second human tissue factor pathway inhibitor (TFPI-2) and human placental protein 5 are equivalent. (Letter) Blood 84: 4384-4385, 1994.3. Ma, S., Chan, Y. P., Kwan, P. S., Lee, T. K., Yan, M., Tang, K. H., Ling, M. T., Vielkind, J. R., Guan, X.-Y., Chan, K. W. MicroRNA-616 induces androgen-independent growth of prostate cancer cells by suppressing expression of tissue factor pathway inhibitor TFPI-2. Cancer Res. 71: 583-592, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38258612
NCBI GeneID	51548
UniProt Accession #	Q8N6T7; O75291; Q6IAF5; Q6PK99; Q8NCD2; Q9BSI5; Q9BWP3; Q9NRC7; Q9UQD1; B2RCDO
Molecular Weight	355
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-6
NCBI Official Synonym Full Names	sirtuin 6
NCBI Official Symbol	SIRT6
NCBI Official Synonym Symbols	SIR2L6
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-6; sirtuin type 6; SIR2-like protein 6; sir2-related protein type 6; regulatory protein SIR2 homolog 6; NAD-dependent deacetylase sirtuin-6
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-6
UniProt Gene Name	SIRT6
UniProt Synonym Gene Names	SIR2L6
UniProt Entry Name	SIR6_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/sirt6-antibody-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/127000>