

Rabbit anti-Human STON1 Polyclonal Antibody | anti-STON1 antibody

Anti-STON1 Antibody Picoband

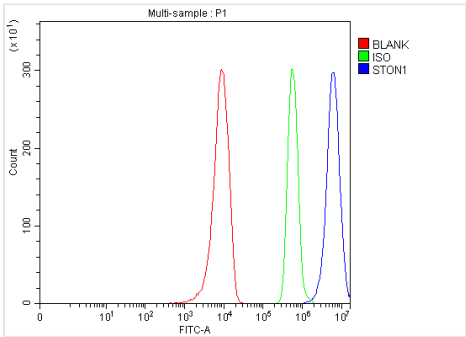
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19981	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STON1; Polyclonal Antibody; Anti-STON1 Antibody Picoband; Follicular dendritic cell secreted peptide; FDC secreted protein; FDC-SP; FDCSP; C4orf7; UNQ733/PRO1419; anti-STON1 antibody

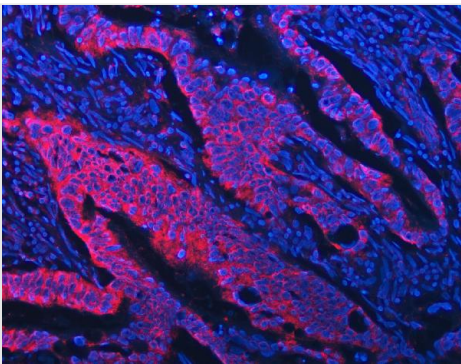
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Abundantly expressed in tonsil, lymph node, and trachea; strong expression in prostate; lower expression in thyroid, stomach, and colon.
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-STON1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Human IHC(Paraffin-embedded Section): 2-5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human STON1 recombinant protein (Position: R127-R688).
Subcellular Localization	Secreted
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	Can bind to the surface of B-lymphoma cells, but not T- lymphoma cells, consistent with a function as a secreted mediator acting upon B-cells.
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.



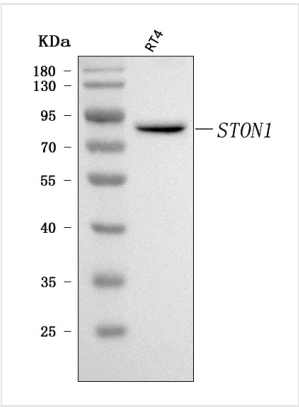
FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of 293T cells using anti-STON1 antibody (AAA19981). Overlay histogram showing 293T cells stained with AAA19981 (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-STON1 Antibody (AAA19981, 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 6. IF analysis of STON1 using anti-STON1 antibody (AAA19981). STON1 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-STON1 Antibody (AAA19981) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) 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.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of STON1 using anti-STON1 antibody (AAA19981).STON1 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-STON1 Antibody (AAA19981) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-STON1 Antibody (AAA19981) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-STON1 Antibody (AAA19981) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (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-STON1 antigen affinity purified polyclonal antibody (#AAA19981) 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 STON1 at approximately 83 kDa. The expected band size for STON1 is at 83 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STON1 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-STON1 antibody	Primary Antibodies; Immunology; Secreted Molecules
References	1. Feutlinske, F., Browarski, M., Ku, M.-C., Trnka, P., Waiczies, S., Niendorf, T., Stallcup, W. B., Glass, R., Krause, E., Maritzen, T. Stonin1 mediates endocytosis of the proteoglycan NG2 and regulates focal adhesion dynamics and cell motility. Nature Commun. 6: 8535, 2015.2. Gross, M. B. Personal Communication. Baltimore, Md. 5/7/2021.3. Han, S.-Y., Zhou, L., Upadhyaya, A., Lee, S. H., Parker, K. L., DeJong, J. TFIIA-alpha/beta-like factor is encoded by a germ cell-specific gene whose expression is up-regulated with other general transcription factors during spermatogenesis in the mouse. Biol. Reprod. 64: 507-517, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	310703592
NCBI GeneID	286749

NCBI Accession #	NP_001185522.1
NCBI GenBank Nucleotide #	NM_001198593.1
UniProt Accession #	Q9Y6Q2; Q96JE3; Q9BYX3; A8MXJ1; B5MCF5; B7ZL16
Molecular Weight	83,141 Da
NCBI Official Full Name	STON1-GTF2A1L protein isoform 2
NCBI Official Synonym Full Names	STON1-GTF2A1L readthrough
NCBI Official Symbol	STON1-GTF2A1L
NCBI Official Synonym Symbols	SALF
NCBI Protein Information	STON1-GTF2A1L protein; stoned B/TFIIA-alpha/beta-like factor
UniProt Protein Name	Stonin-1
UniProt Gene Name	STON1
UniProt Synonym Gene Names	SALF; SBLF; STN1
UniProt Entry Name	STON1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ston1-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19981>