

Rabbit anti-Human GAS1 Polyclonal Antibody | anti-GAS1 antibody

Anti-GAS1 Antibody Picoband

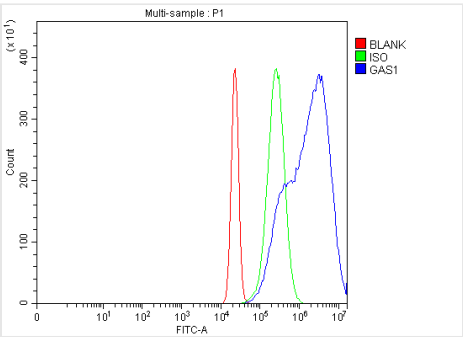
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126471	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

GAS1; Polyclonal Antibody; Anti-GAS1 Antibody Picoband; anti-GAS1 antibody

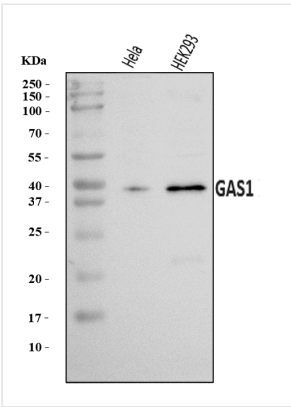
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-GAS1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human GAS1 recombinant protein (Position: L40-D288).
Preparation and Storage	Store 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 HeLa cells using anti-GAS1 antibody (AAA126471).Overlay histogram showing HeLa cells stained with AAA126471 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GAS1 Antibody (AAA126471, 1 ug/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 (1 ug/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 GAS1 using anti-GAS1 antibody (AAA126471).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 HEK293 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-GAS1 antigen affinity purified polyclonal antibody (#AAA126471) at 0.5 ug/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 GAS1 at approximately 40 kDa. The expected band size for GAS1 is at 40 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GAS1 antibody	Growth arrest-specific protein 1 is a protein that in humans is encoded by the GAS1 gene. Growth arrest-specific 1 plays a role in growth suppression. GAS1 blocks entry to S phase and prevents cycling of normal and transformed cells. Gas1 is a putative tumor suppressor gene.
Product Categories/Family for anti-GAS1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466169
NCBI GeneID	2619
NCBI Accession #	NP_002039.2
NCBI GenBank Nucleotide #	NM_002048.2
UniProt Accession #	P54826; Q6B086; B9EGM4
Molecular Weight	35,693 Da
NCBI Official Full Name	growth arrest-specific protein 1
NCBI Official Synonym Full Names	growth arrest-specific 1
NCBI Official Symbol	GAS1
NCBI Protein Information	growth arrest-specific protein 1; GAS-1; Growth arrest-specific gene-1
UniProt Protein Name	Growth arrest-specific protein 1
UniProt Gene Name	GAS1
UniProt Synonym Gene Names	GAS-1

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/gas1-antibody-flow-cytometry-western-blot-elisa/126471>