

Rabbit GAS7 Polyclonal Antibody | anti-GAS7 antibody

Anti-GAS7 Antibody Picoband

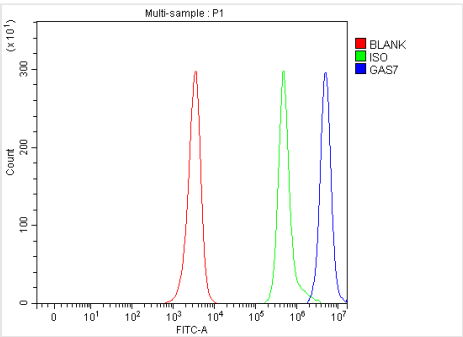
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127384	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

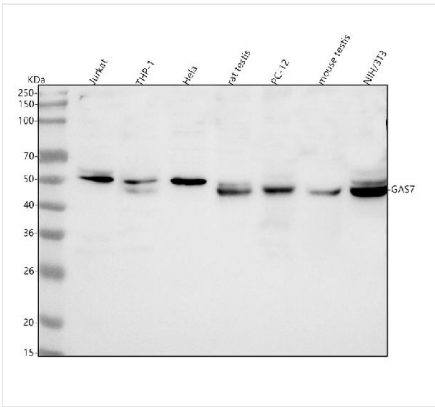
GAS7; Polyclonal Antibody; Anti-GAS7 Antibody Picoband; anti-GAS7 antibody

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-GAS7 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human GAS7 recombinant protein (Position: M1-Q421).
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of JK cells using anti-GAS7 antibody (AAA127384). Overlay histogram showing JK cells stained with AAA127384 (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-GAS7 Antibody (AAA127384, 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 GAS7 using anti-GAS7 antibody (AAA127384). 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 Jurkat whole cell lysates, Lane 2: human THP-1 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: rat testis tissue lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: mouse testis tissue lysates, Lane 7: 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-GAS7 antigen affinity purified polyclonal antibody (#AAA127384) 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 GAS7 at approximately 50 kDa. The expected band size for GAS7 is at 54 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GAS7 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-GAS7 antibody	Primary Antibodies
References	1. Ju, Y.-T., Chang, A. C. Y., She, B.-R., Tsaur, M.-L., Hwang, H.-M., Chao, C. C.-K., Cohen, S. N., Lin-Chao, S. Gas7: a gene expressed preferentially in growth-arrested fibroblasts and terminally differentiated Purkinje neurons affects neurite formation. Proc. Nat. Acad. Sci. 95: 11423-11428, 1998. 2. Kurtz, A., Zimmer, A. Interspecies fluorescence in situ hybridization further defines syntenic homology between mouse chromosome 11 and human chromosome 17. Mammalian Genome 6: 379-380, 1995. 3. Megonigal, M. D., Cheung, N.-K. V., Rappaport, E. F., Nowell, P. C., Wilson, R. B., Jones, D. H., Addya, K., Leonard, D. G. B., Kushner, B. H., Williams, T. M., Lange, B. J., Felix, C. A. Detection of leukemia-associated MLL-GAS7 translocation early during chemotherapy with DNA topoisomerase II inhibitors. Proc. Nat. Acad. Sci. 97: 2814-2819, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	218512092
NCBI GeneID	8522
UniProt Accession #	O60861; O43144; Q53Y77; Q7Z571; A8KAC2; B2RCK9
Molecular Weight	412
NCBI Official Full Name	Growth arrest-specific protein 7
NCBI Official Synonym Full Names	growth arrest-specific 7
NCBI Official Symbol	GAS7

NCBI Official Synonym Symbols	MLL/GAS7
NCBI Protein Information	growth arrest-specific protein 7; MLL/GAS7 fusion protein
UniProt Protein Name	Growth arrest-specific protein 7
UniProt Gene Name	GAS7
UniProt Synonym Gene Names	KIAA0394; GAS-7
UniProt Entry Name	GAS7_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/gas7-antibody-flow-cytometry-western-blot-elisa/127384>