

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

GAS1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289968	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GAS1; Polyclonal Antibody; GAS1 Antibody (N-term); Growth arrest-specific protein 1; GAS-1; anti-GAS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GAS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-127 amino acids from the N-terminal region of human GAS1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	95-127
Sequence Length	345
Applicable Applications for anti-GAS1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Specific growth arrest protein involved in growth suppression. Blocks entry to S phase. Prevents cycling of normal and transformed cells.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor EMBL
Cellular Localization	Cell membrane; Lipid-anchor, GPI- anchor
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

GAS1 Antibody (N-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of GAS1 Antibody (N-term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

GAS1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GAS1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GAS1 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the GAS1 antibody detected the GAS1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GAS1 antibody	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	Cell Biology ; Signal transduction
References	Ribeiro, L.A., et al. Am. J. Med. Genet. A 152A (7), 1688-1694 (2010) : Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : Rittie, L., et al. Aging Cell 8(6):738-751(2009) Zhao, L., et al. J. Biol. Chem. 284(39):26273-26285(2009) Dominguez-Monzon, G., et al. Int. J. Dev. Neurosci. 27(4):305-313(2009)

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
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
UniProt Protein Name	Growth arrest-specific protein 1
UniProt Gene Name	GAS1
UniProt Synonym Gene Names	GAS-1
UniProt Entry Name	GAS1_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://stage.aaabiotech.com/polyclonal/gas1-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/289968>