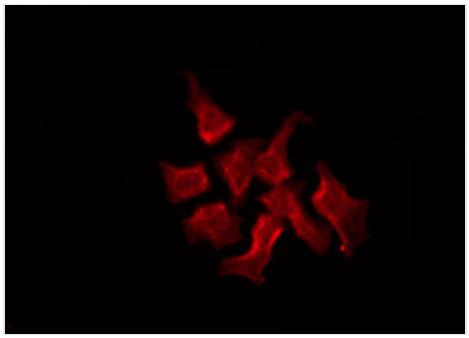
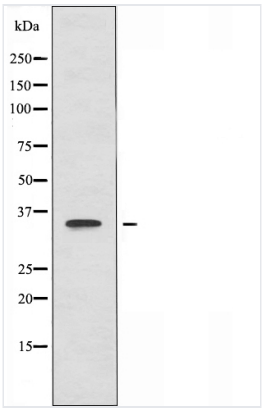
GAS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GAS1, Polyclonal Antibody
Full Product Name	GAS1 Antibody
Product Gene Name	anti-GAS1 antibody
Product Synonym Names	GAS-1; Gas1; GAS1_HUMAN; Growth arrest-specific protein 1; Growth-arrest-specific protein 1 precursor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	GAS1 antibody detects endogenous levels of total GAS1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	GAS1 peptide (MBS9624270) is used for blocking the activity of GAS1 antibody (MBS9605553)
Molecular Weight	Observed: 36 kD Predicted: 36 kDa
3D Structure	ModBase 3D Structure for P54826
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GAS1 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-GAS1 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-GAS1 antibody	Function: Specific growth arrest protein involved in growth suppression. Blocks entry to S phase. Prevents cycling of normal and transformed cells.
Other Notes	Small volumes of anti-GAS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GAS1 purchase	MBS9605553 is an antibody targeting GAS1. Also known as GAS1 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunofluorescence (IF) of anti-GAS1 antibody
MBS9605553 staining MCF7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-GAS1 antibody
Western blot analysis of extracts from MCF-7 cells, using GAS1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAS1. It may not necessarily be applicable to this product.

NCBI GI #	167466169
NCBI GeneID	2619
NCBI Accession #	NP_002039.2
UniProt Primary Accession #	P54826
UniProt Secondary Accession #	Q6B086; B9EGM4
UniProt Related Accession #	P54826
GenBank Nucleotide #	NM_002048.2
NCBI Official Full Name	growth arrest-specific protein 1
NCBI Official Synonym Full Names	growth arrest specific 1
NCBI Official Symbol	GAS1
UniProt Protein Name	Growth arrest-specific protein 1
Protein Family	1,3-beta-glucanosyltransferase
UniProt Gene Name	GAS1
UniProt Synonym Gene Names	GAS-1
NCBI Protein Information	growth arrest-specific protein 1
NCBI Summary for GAS1	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. [provided by RefSeq, Jul 2008]
UniProt Comments for GAS1	Specific growth arrest protein involved in growth suppression. Blocks entry to S phase. Prevents cycling of normal and transformed cells.
Research Articles on GAS1	**1.** Studies establish Gas1 as a negative regulator in colorectal cancer.
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