GAS2 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	GAS2, Blocking Peptide
Full Product Name	GAS2 Antibody (N-term) Blocking Peptide
Product Gene Name	GAS2 blocking peptide
Product Synonym Names	Growth arrest-specific protein 2; GAS-2; GAS2
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	GAS2 peptide (MBS9223858) is used for blocking the activity of GAS2 antibody (MBS9206023)
Molecular Weight	15,635 Da
OMIM	602835
Cellular Location	Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein Note: Component of the microfilament system. Colocalizes with actin fibers at the cell border and along the stress fibers in growth- arrested fibroblasts. Mainly membrane-associated. When hyperphosphorylated, accumulates at membrane ruffles (By similarity).
Tissue Location	Ubiquitously expressed with highest levels in liver, lung, and kidney. Not found in spleen
Related Product Information for GAS2 blocking peptide	May play a role in apoptosis by acting as a cell death substrate for caspases. Is cleaved during apoptosis and the cleaved form induces dramatic rearrangements of the actin cytoskeleton and potent changes in the shape of the affected cells. May be involved in the membrane ruffling process (By similarity).
Other Notes	Small volumes of GAS2 blocking peptide 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 GAS2 purchase	MBS9223858 is a blocking peptide targeting GAS2. Also known as GAS2 Antibody (N-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAS2. It may not necessarily be applicable to this product.

NCBI GI #	3913719
NCBI GeneID	2620
NCBI Accession #	O43903.1
UniProt Primary Accession #	O43903
UniProt Secondary Accession #	Q6ICV8; Q7Z3X8; B2R9C8; D3DQZ0
UniProt Related Accession #	O43903
NCBI Official Full Name	Growth arrest-specific protein 2
NCBI Official Synonym Full Names	growth arrest specific 2
NCBI Official Symbol	GAS2
UniProt Protein Name	Growth arrest-specific protein 2
Protein Family	1,3-beta-glucanosyltransferase

UniProt Gene Name	GAS2
UniProt Synonym Gene Names	GAS-2
UniProt Entry Name	GAS2_HUMAN
NCBI Protein Information	growth arrest-specific protein 2
NCBI Summary for GAS2	The protein encoded by this gene is a caspase-3 substrate that plays a role in regulating microfilament and cell shape changes during apoptosis. It can also modulate cell susceptibility to p53-dependent apoptosis by inhibiting calpain activity. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2009]
UniProt Comments for GAS2	GAS2: May play a role in apoptosis by acting as a cell death substrate for caspases. Is cleaved during apoptosis and the cleaved form induces dramatic rearrangements of the actin cytoskeleton and potent changes in the shape of the affected cells. May be involved in the membrane ruffling process. Belongs to the GAS2 family. Protein type: Motility/polarity/chemotaxis; Apoptosis Chromosomal Location of Human Ortholog: 11p14.3 Cellular Component: actin filament; cytosol
Research Articles on GAS2	**1.** Taken together, our results demonstrated the deregulation of GAS2 in both AML and ALL and the requirement of GAS2-Calpain2 axis for the growth of leukemic cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/gas2/9223858