

Rabbit GAS2 Polyclonal Antibody | anti-GAS2 antibody

GAS2 Antibody

CATALOG # AAA326081	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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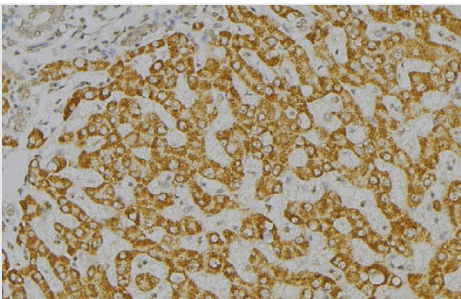
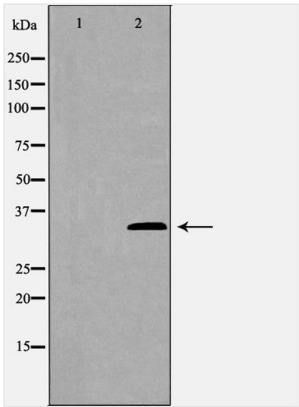
PRODUCT SYNONYMS

GAS2; Polyclonal Antibody; GAS2 Antibody; GAS 2; GAS-2; Gas2; GAS2_HUMAN; Growth arrest specific 2; Growth arrest specific protein 2; Growth arrest-specific protein 2; MGC32610; anti-GAS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GAS2 antibody detects endogenous levels of total GAS2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	313
Applicable Applications for anti-GAS2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GAS2
Subcellular Location	Cytoplasm > Cytoskeleton. Membrane. 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.
Tissue Specificity	Ubiquitously expressed with highest levels in liver, lung, and kidney. Not found in spleen.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326081 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using GAS2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GAS2 antibody

Description: 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]

Function: 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).

Post-translational Modifications: Cleaved, during apoptosis, on a specific aspartic residue by caspases. Phosphorylated on serine residues during the G0-G1 transition phase.

Similarity: Belongs to the GAS2 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842340
NCBI GeneID	2620
NCBI Accession #	NP_001137302.1
NCBI GenBank Nucleotide #	NM_001143830.1
UniProt Accession #	O43903; Q6ICV8; Q7Z3X8; B2R9C8; D3DQZ0
Molecular Weight	Observed: 35 kDa Predicted: 35 kDa
NCBI Official Full Name	growth arrest-specific protein 2 isoform a
NCBI Official Synonym Full Names	growth arrest specific 2
NCBI Official Symbol	GAS2
NCBI Official Synonym Symbols	GAS-2
NCBI Protein Information	growth arrest-specific protein 2
UniProt Protein Name	Growth arrest-specific protein 2
UniProt Gene Name	GAS2
UniProt Synonym Gene Names	GAS-2

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/gas2-antibody-immunohistochemistry-western-blot-elisa/326081>