



Anti-GAS1 polyclonal antibody [Biotin] (DPABY-578)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The growth arrest-specific genes are related by their induction following cellular stress. Gas1 is a GPI-linked membrane glycoprotein that blocks entry to S phase cell cycle. Gas1 inhibits cell proliferation, protects endothelial cells from apoptosis, and promotes excitotoxic neuronal death. Gas6 is a vitamin K-dependent protein with a gamma-carboxylated amino terminus (Gla domain), four EGF-like repeats, and C-terminal globulin-like domains. Gas6 is a ligand for the Axl, Dtk, and Mer tyrosine kinase receptors. Gas6 is mitogenic and anti-apoptotic for some cell types and also promotes cell adhesion.
Specificity	Detects human Gas1 in ELISAs and Western blots. In sandwich immunoassays, less than 0.05% cross-reactivity with recombinant mouse Gas1 and recombinant human Gas6 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Gas1. Leu40-Ser318 Accession Number P54826
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° C to - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	GAS1 growth arrest-specific 1 [Homo sapiens (human)]
Official Symbol	GAS1
Synonyms	GAS1; growth arrest-specific 1; growth arrest-specific protein 1; GAS-1; Growth arrest-specific gene-1;
Entrez Gene ID	2619
Protein Refseq	NP_002039
UniProt ID	P54826
Chromosome Location	9q21.3-q22
Pathway	FOXM1 transcription factor network; Hedgehog Signaling Pathway; Hedgehog signaling pathway; Signaling events mediated by the Hedgehog family;
Function	protein binding;