



Anti-GAS1 polyclonal antibody (DPABY-327)

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 mouse Gas1 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant human Gas1 and recombinant mouse Gas6 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Gas1. Leu39-Ser315 Accession Number Q01721
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Gas1 growth arrest specific 1 [Mus musculus (house mouse)]
Official Symbol	GAS1
Synonyms	GAS1; growth arrest specific 1; Gas-1; AW554192; growth arrest-specific protein 1;
Entrez Gene ID	14451
Protein Refseq	NP_032112
UniProt ID	Q01721
Chromosome Location	13 B3-C2; 13 31.92 cM
Pathway	Hedgehog Signaling Pathway; Hedgehog signaling pathway;
Function	protein binding;