



Anti-GAS1 monoclonal antibody, clone 400436 (DCABY-4166)

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 ELISAs, this antibody does not cross-react with recombinant mouse (rm) Gas1, recombinant human (rh) Gas6, rhArtemin, rhNeurturin, rhRet, or rhShh N-terminal domain. In Western blots, this antibody does not cross-react with rmGas6.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Gas1. Leu40-Ser318 Accession Number P54826
Isotype	IgG2A
Source/Host	Rat
Species Reactivity	Human
Clone	400436
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)

Format	Liquid
Size	500 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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

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;