

Datasheet for 600-401-BJ6**GAS Antibody****Overview**

Description:	Anti-GAS (RABBIT) Antibody - 600-401-BJ6
Item No.:	600-401-BJ6
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Steroid receptor co-activators (SRCs) were initially described as nuclear receptor transcription co-activators, but they have recently been determined to co-regulate transcription initiated by other transcription factors. GAS is a recently identified glutamate-rich protein that interacts with SRC1, but not GRIP1 or AIB1, the other two members of the SRC family. GAS can also interact with the alpha subunit of the estrogen receptor (ERalpha), but not other receptors such as the retinoic acid receptor α , suggesting the interaction between GAS and ERalpha is relatively specific. Depletion of GAS by RNA interference in MCF7 cells led to a decrease in the mRNA and protein levels of ER target genes such as pS2, c-Myc and cyclin D1, indicating the role of GAS in the regulation of ER target genes. GAS has also been found to associate with an SET1-like methyltransferase complex specific for H3K4 methylation, suggesting that GAS has multiple roles in transcriptional regulation.
Synonyms:	GAS Antibody, GAS, PA1, C16orf53, PAXIP1-associated glutamate-rich protein 1, PAXIP1-associated protein 1, PAGR1, Glutamate-rich coactivator interacting with SRC1, PTIP-associated protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PAGR1
Reactivity:	Human, Mouse

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GAS antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the C-terminus of human GAS.
Purity/Specificity:	Anti-GAS Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with GAS from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9BTK6 • GeneID - 79447 • NCBI - NP_078792

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-GAS Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 28 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

Formulation

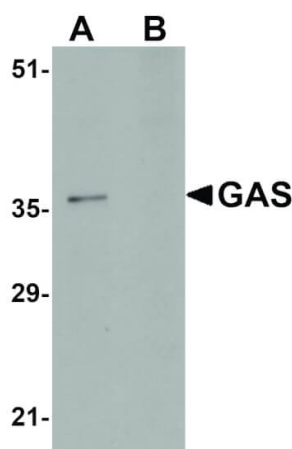
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of GAS antibody. Lane 1: EL4 cell lysate with GAS antibody at 1 μ g/mL in the absence of blocking peptide. Lane 2: EL4 cell lysate with GAS antibody at 1 μ g/mL in the presence of blocking peptide. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 28 kDa, 36 kDa for GAS. Other band(s): GAS splice variants and isoforms.

Disclaimer

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