

Product datasheet for **TA306855**

PA1 (PAGR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GAS antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human GAS.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	PAXIP1 associated glutamate rich protein 1
Database Link:	NP_078792 Entrez Gene 79447 Human Q9BTK6



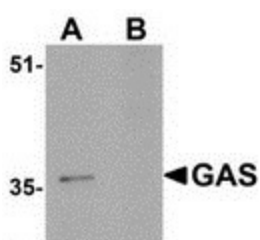
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Background:

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 (ER α), but not other receptors such as the retinoic acid receptor α , suggesting the interaction between GAS and ER α 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:

C16orf53; GAS; PA1

Product images:

Western blot analysis of GAS in EL4 cell lysate in (A) the absence and (B) the presence of blocking peptide with GAS antibody at 1 μ g/ml.