

Product datasheet for **DM3548P**

GAS 6 (GAS6) Rat Monoclonal Antibody [Clone ID: 6J2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6J2
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Purified Mouse Recombinant Gas6
Specificity:	The monoclonal antibody detects Gas6.
Formulation:	0.2 µm filtered PBS without preservatives or stabilizers State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500 µg/ml.
Purification:	Protein A/G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth arrest specific 6
Database Link:	Entrez Gene 2621 Human Q14393



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Background:

Gas6 (Growth Arrest Specific 6) is one of six structurally unrelated proteins that are secreted by a wide variety of cell types in response to growth arrest. Gas6 and the structurally related Protein S are vitamin K-dependent and have an extensively gamma-carboxylated N-terminal Gla domain, four EGF like repeats, and a C-terminal region with homology to steroid hormone binding globulin (SHBG). Human Gas6 is a 75 kDa protein that shares 77%-79% aa sequence identity with mouse and rat Gas6. Alternate splicing generates isoforms that lack the Gla domain and/or the spacer between the EGF-like and SHBG regions. Gas6 binds and induces signaling through the receptor tyrosine kinases Axl, Dtk, and Mer. Human Gas6 interacts with both mouse and rat orthologs of these receptors. The full length isoform may be cleaved, resulting in release of the free SHBG region which can independently activate Axl. Shed soluble forms of Axl and Mer bind Gas6 and function as decoy receptors.

Synonyms:

Growth arrest-specific protein 6, GAS-6