

Gas6 (N-20): sc-1936

BACKGROUND

Growth arrest specific proteins, including Gas1 and Gas6, are activated in quiescent cells. Gas1-induced growth arrest is mediated by p53, and Gas1 appears to be able to suppress tumor cell growth. Gas6, a ligand for the tyrosine kinase receptor Axl, was initially identified as a member of the vitamin K-dependent protein family and exhibits a high degree of amino acid sequence homology to protein S, a negative co-regulator in the coagulation pathway.

REFERENCES

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- Del Sal, G., et al. 1992. The growth arrest-specific gene, Gas1, is involved in growth suppression. *Cell* 70: 595-607.
- Manfioletti, G., et al. 1993. The protein encoded by a growth arrest-specific gene Gas6 is a new member of the vitamin K-dependent proteins related to protein S, a negative coregulator in the blood coagulation cascade. *Mol. Cell. Biol.* 13: 4976-4985.
- Del Sal, G., et al. 1994. Structure, function, and chromosome mapping of the growth-suppressing human homologue of the murine Gas1 gene. *Proc. Natl. Acad. Sci. USA* 91: 1848-1852.
- Del Sal, G., et al. 1995. Gas1-induced growth suppression requires a transactivation-independent p53 function. *Mol. Cell. Biol.* 15: 7152-7160.
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CHROMOSOMAL LOCATION

Genetic locus: GAS6 (human) mapping to 13q34; Gas6 (mouse) mapping to 8 A1.1.

SOURCE

Gas6 (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Gas6 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.2% gelatin.

Blocking peptide available for competition studies, sc-1936 P, (100 µg peptide in 0.5 ml PBS containing <0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

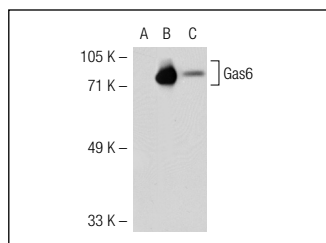
Gas6 (N-20) is recommended for detection of Gas6 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Gas6 siRNA (h): sc-35450, Gas6 siRNA (m): sc-35451, Gas6 shRNA Plasmid (h): sc-35450-SH, Gas6 shRNA Plasmid (m): sc-35451-SH, Gas6 shRNA (h) Lentiviral Particles: sc-35450-V and Gas6 shRNA (m) Lentiviral Particles: sc-35451-V.

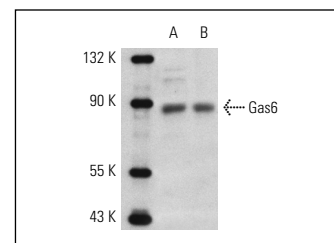
Molecular Weight of Gas6: 85 kDa.

Positive Controls: Gas6 (h): 293T Lysate: sc-115479, SH-SY5Y cell lysate: sc-3812 or SK-N-SH cell lysate: sc-2410.

DATA



Gas6 (N-20): sc-1936. Western blot analysis of Gas6 expression in non-transfected 293T: sc-117752 (A), human Gas6 transfected 293T: sc-115479 (B) and SK-N-SH (C) whole cell lysates.



Gas6 (N-20): sc-1936. Western blot analysis of Gas6 expression in SH-SY5Y (A) and SK-N-SH (B) whole cell lysates.

SELECT PRODUCT CITATIONS

- Ito, M., et al. 2002. Expression of receptor-type tyrosine kinase, Axl, and its ligand, Gas6, in pediatric thyroid carcinomas around chernobyl. *Thyroid* 12: 971-975.
- Balogh, I., et al. 2005. Analysis of Gas6 in human platelets and plasma. *Arterioscler. Thromb. Vasc. Biol.* 25: 1280-1286.
- Green, J., et al. 2006. Overexpression of the Axl tyrosine kinase receptor in cutaneous SCC-derived cell lines and tumours. *Br. J. Cancer* 94: 1446-1451.
- Cosemans, J.M., et al. 2010. Potentiating role of Gas6 and Tyro3, Axl and Mer (TAM) receptors in human and murine platelet activation and thrombus stabilization. *J. Thromb. Haemost.* 8: 1797-1808.
- Yu, W., et al. 2014. Estrogen promotes Leydig cell engulfment by macrophages in male infertility. *J. Clin. Invest.* 124: 2709-2721.

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Try **Gas6 (A-9): sc-376087**, our highly recommended monoclonal alternative to Gas6 (N-20).