

Gas6 (H-140): sc-22759

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

- Schneider, C., et al. 1988. Genes specifically expressed at growth arrest of mammalian cells. *Cell* 54: 787-793.
- 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.
- Stitt, T.N., et al. 1995. The anticoagulation factor Protein S and its relative, Gas6, are ligands for the Tyro 3/Axl family of receptor tyrosine kinases. *Cell* 80: 661-670.
- Del Sal, G., et al. 1995. Gas1-induced growth suppression requires a transactivation-independent p53 function. *Mol. Cell. Biol.* 15: 7152-7160.

CHROMOSOMAL LOCATION

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

SOURCE

Gas6 (H-140) is a rabbit polyclonal antibody raised against amino acids 481-620 mapping near the C-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 0.1% gelatin.

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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

Gas6 (H-140) 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.

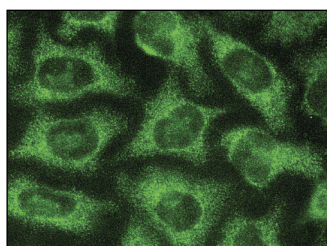
Molecular Weight of Gas6: 85 kDa.

Positive Controls: SH-SY5Y cell lysate: sc-3812 or SK-N-SH cell lysate: sc-2410.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Gas6 (H-140): sc-22759. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

SELECT PRODUCT CITATIONS

- 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.

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Try **Gas6 (A-9): sc-376087**, our highly recommended monoclonal alternative to Gas6 (H-140).