

Gas6 (C-20): sc-1935

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

1. Del Sal, G., et al. 1992. The growth arrest-specific gene, Gas1, is involved in growth suppression. *Cell* 70: 595-607.
2. 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.

CHROMOSOMAL LOCATION

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

SOURCE

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

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.2% gelatin.

Blocking peptide available for competition studies, sc-1935 P, (100 µg peptide in 0.5 ml PBS containing <0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Gas6 (C-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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Gas6 (C-20) is also recommended for detection of Gas6 in additional species, including bovine and porcine.

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

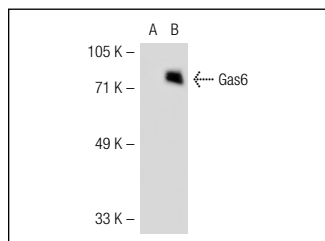
RESEARCH USE

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

STORAGE

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

DATA



Gas6 (C-20): sc-1935. Western blot analysis of Gas6 expression in non-transfected: sc-117752 (A) and human Gas6 transfected: sc-115479 (B) 293T whole cell lysates.

SELECT PRODUCT CITATIONS

1. Angelillo-Scherrer, A., et al. 2001. Deficiency or inhibition of Gas6 causes platelet dysfunction and protects mice against thrombosis. *Nat. Med.* 7: 215-221.
2. Balogh, I., et al. 2005. Analysis of Gas6 in human platelets and plasma. *Arterioscler. Thromb. Vasc. Biol.* 25: 1280-1286.
3. Gould, W.R., et al. 2005. Gas6 receptors Axl, Sky and Mer enhance platelet activation and regulate thrombotic responses. *J. Thromb. Haemost.* 3: 733-741.
4. Lafdil, F., et al. 2006. Induction of Gas6 protein in CCl4-induced rat liver injury and anti-apoptotic effect on hepatic stellate cells. *Hepatology* 44: 228-239.
5. Collett, G.D., et al. 2007. Axl/phosphatidylinositol 3-kinase signaling inhibits mineral deposition by vascular smooth muscle cells. *Circ. Res.* 100: 502-509.
6. Eng, P.C., et al. 2008. Chronic angiotensin-converting enzyme inhibition up-regulates mouse kidney growth arrest specific-6 protein and the AXL subfamily of receptor tyrosine kinases. *J. Renin Angiotensin Aldosterone Syst.* 9: 238-241.
7. Hutterer, M., et al. 2008. Axl and growth arrest-specific gene 6 are frequently overexpressed in human gliomas and predict poor prognosis in patients with glioblastoma multiforme. *Clin. Cancer Res.* 14: 130-138.
8. Karl, M.O., et al. 2008. Endogenous Gas6 and Ca²⁺ -channel activation modulate phagocytosis by retinal pigment epithelium. *Cell. Signal.* 20: 1159-1168.

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