

Gas8 (T-18): sc-79489

BACKGROUND

Gas8 (growth arrest-specific 8), also known as Gas11, is a 478 amino acid protein that localizes to the Golgi apparatus, as well as to the cytoplasm and the flagellar basal body, and belongs to the growth arrest-specific protein family. Expressed in liver, heart and skeletal muscle with lower levels present in lung, brain, kidney and placenta, Gas8 functions as a cytoskeletal linker that binds microtubules and is thought to play a role in axonemal and non-axonemal Dynein regulation. Gas8 may also be involved in spermatozoa motility and, when defective, may be associated with infertility in males lacking gametocytes. The gene encoding Gas8 maps to a region on human chromosome 16 that is frequently deleted in breast and prostate cancer, suggesting a role for Gas8 in tumorigenesis.

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CHROMOSOMAL LOCATION

Genetic locus: GAS8 (human) mapping to 16q24.3; Gas8 (mouse) mapping to 8 E2.

SOURCE

Gas8 (T-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Gas8 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.

Blocking peptide available for competition studies, sc-79489 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Gas8 (T-18) is recommended for detection of Gas8 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).

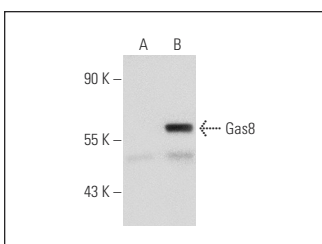
Gas8 (T-18) is also recommended for detection of Gas8 in additional species, including bovine.

Suitable for use as control antibody for Gas8 siRNA (h): sc-75107, Gas8 siRNA (m): sc-75108, Gas8 shRNA Plasmid (h): sc-75107-SH, Gas8 shRNA Plasmid (m): sc-75108-SH, Gas8 shRNA (h) Lentiviral Particles: sc-75107-V and Gas8 shRNA (m) Lentiviral Particles: sc-75108-V.

Molecular Weight of Gas8: 60 kDa.

Positive Controls: Gas8 (m): 293T Lysate: sc-120423.

DATA



Gas8 (T-18): sc-79489. Western blot analysis of Gas8 expression in non-transfected: sc-117752 (A) and mouse Gas8 transfected: sc-120423 (B) 293T whole cell lysates.

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.