

GATAD1 (P-17): sc-104264

BACKGROUND

GATAD1 (GATA zinc finger domain-containing protein 1), also known as ODAG (ocular development-associated gene protein), is a 269 amino acid protein that is involved in early ocular development. Expressed highly in postnatal eye tissue, GATAD1 is associated with formation of the lens and its surrounding structures, suggesting a possible role in the transformation of ocular tissues into a working eye. GATAD1 expression declines dramatically after the early stages of development. GATAD1 contains one GATA-type zinc finger which functions as a DNA-binding domain. Additionally, GATAD1 gene expression is amplified in certain cancerous cells, suggesting that it may be involved in carcinogenesis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GATAD1 (human) mapping to 7q21.2; Gatad1 (mouse) mapping to 5 A1.

SOURCE

GATAD1 (P-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GATAD1 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-104264 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GATAD1 (P-17) is recommended for detection of GATAD1 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); non cross-reactive with family members GATAD2A or GATAD2B.

GATAD1 (P-17) is also recommended for detection of GATAD1 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for GATAD1 siRNA (h): sc-89708, GATAD1 siRNA (m): sc-145341, GATAD1 shRNA Plasmid (h): sc-89708-SH, GATAD1 shRNA Plasmid (m): sc-145341-SH, GATAD1 shRNA (h) Lentiviral Particles: sc-89708-V and GATAD1 shRNA (m) Lentiviral Particles: sc-145341-V.

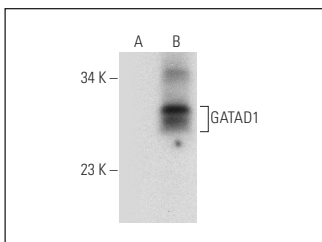
Molecular Weight of GATAD1: 29 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, GATAD1 (m): 293T Lysate: sc-120425 or NIH/3T3 whole cell lysate: sc-2210.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



GATAD1 (P-17): sc-104264. Western blot analysis of GATAD1 expression in non-transfected: sc-117752 (A) and mouse GATAD1 transfected: sc-120425 (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.