

AIG1 (N-16): sc-241792

BACKGROUND

AIG1 (androgen-induced 1) is a 245 amino acid multi-pass membrane protein belonging to the AIG1 family. Encoded by a gene that maps to human chromosome 6q24.2, AIG1 exists as five alternatively spliced isoforms. Highly expressed in heart, ovary, testis, liver and kidney, AIG1 is also expressed at lower levels in spleen, prostate, brain, skeletal muscle, pancreas, small intestine, colon and hair follicle. AIG1 exhibits higher expression in male hair follicles than in female follicles, and may play a role in androgen-regulated growth of hair follicles. AIG1 shares 37% homology with FAR-17a, an androgen inducible gene of similar length. Both AIG1 and FAR-17a contain two polyadenylation signals, but exhibit two different lengths of mRNA transcripts.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: AIG1 (human) mapping to 6q24.2; Aig1 (mouse) mapping to 10 A2.

SOURCE

AIG1 (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of AIG1 of human origin.

STORAGE

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

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-241792 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

AIG1 (N-16) is recommended for detection of AIG1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

AIG1 (N-16) is also recommended for detection of AIG1 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for AIG1 siRNA (h): sc-95273, AIG1 siRNA (m): sc-140966, AIG1 shRNA Plasmid (h): sc-95273-SH, AIG1 shRNA Plasmid (m): sc-140966-SH, AIG1 shRNA (h) Lentiviral Particles: sc-95273-V and AIG1 shRNA (m) Lentiviral Particles: sc-140966-V.

Molecular Weight of AIG1: 27 kDa.

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) 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.

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.