



## TAF A1 (C-13): sc-103243

### BACKGROUND

A group of small secreted proteins known as the TAF A family consists of five highly homologous genes: TAF A1, TAF A2, TAF A3, TAF A4 and TAF A5. Members of the TAF A family contain conserved cysteine residues at fixed positions and are highly expressed in brain. The TAF A family may be distantly related to a member of the CC-chemokine family known as MIP-1 $\alpha$ , and have been postulated to regulate nervous and immune cells of the brain as neurokines or chemokines. TAF A1 [family with sequence similarity 19 (chemokine (C-C motif)-like, member A1)], also known as chemokine-like protein TAF A1, protein FAM19A1 TAF A1 or FAM19A1, is a 19 amino acid brain specific protein belonging to the FAM19/TAF A family. TAF A1 is a secreted protein and is encoded by a gene mapping to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

### REFERENCES

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3. Tsend-Ayush, E., Grütznér, F., Yue, Y., Grossmann, B., Hänsel, U., Sudbrak, R. and Haaf, T. 2004. Plasticity of human chromosome 3 during primate evolution. *Genomics* 83: 193-202.
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5. Yue, Y., Grossmann, B., Ferguson-Smith, M., Yang, F. and Haaf, T. 2005. Comparative cytogenetics of human chromosome 3q21.3 reveals a hot spot for ectopic recombination in hominoid evolution. *Genomics* 85: 36-47.

### CHROMOSOMAL LOCATION

Genetic locus: FAM19A1 (human) mapping to 3p14.1; Fam19a1 (mouse) mapping to 6 D3.

### SOURCE

TAF A1 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of TAF A1 of human origin.

### PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-103243 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

TAF A1 (C-13) is recommended for detection of TAF A1 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); non cross-reactive with other TAF A family members.

Suitable for use as control antibody for TAF A1 siRNA (h): sc-78134, TAF A1 siRNA (m): sc-154056, TAF A1 shRNA Plasmid (h): sc-78134-SH, TAF A1 shRNA Plasmid (m): sc-154056-SH, TAF A1 shRNA (h) Lentiviral Particles: sc-78134-V and TAF A1 shRNA (m) Lentiviral Particles: sc-154056-V.

Molecular Weight of TAF A1: 15 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.

### 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](http://www.scbt.com) or our catalog for detailed protocols and support products.