

TAF5 (C-16): sc-86895

BACKGROUND

A group of small secreted proteins known as the TAF5 family consists of five highly homologous genes: TAF51, TAF52, TAF53, TAF54 and TAF55. Members of the TAF5 family contain conserved cysteine residues at fixed positions and are highly expressed in brain. The TAF5 family may be distantly related to a member of the CC-chemokine family known as MIP-1 α , and have been postulated to regulate nervous and immune cells of the brain as neurokines or chemokines. TAF5 (chemokine-like protein TAF5-5), also known as FAM19A5 (family with sequence similarity 19 (chemokine (C-C motif)-like), member A5), is a 132 amino acid protein that belongs to the FAM19/TAF5 family. A single-pass membrane protein, TAF5 consists of three alternatively spliced variants that are encoded by a gene located on human chromosome 22. TAF5 isoform 2 is a brain-specific secreted protein

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CHROMOSOMAL LOCATION

Genetic locus: FAM19A5 (human) mapping to 22q13.32; Fam19a5 (mouse) mapping to 15 E3.

SOURCE

TAF5 (C-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of TAF5 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 100 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86895 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TAF5 (C-16) is recommended for detection of TAF5 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 TAF51 and TAF54.

TAF5 (C-16) is also recommended for detection of TAF5 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for TAF5 siRNA (h): sc-76629, TAF5 siRNA (m): sc-154060, TAF5 shRNA Plasmid (h): sc-76629-SH, TAF5 shRNA Plasmid (m): sc-154060-SH, TAF5 shRNA (h) Lentiviral Particles: sc-76629-V and TAF5 shRNA (m) Lentiviral Particles: sc-154060-V.

Molecular Weight of TAF5: 14 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.