

1810030J14Rik (E-16): sc-247756

BACKGROUND

1810030J14Rik, also known as Mptx (Mucosal pentraxin) or AV054416, is a 219 amino acid secreted protein that belongs to the pentaxin family. Proteins in the pentaxin family typically consist of five non-covalently bound subunits with a discoid arrangement, and are typically involved in acute immunological responses. Containing one pentaxin domain, 1810030J14Rik exists as a homopentamer that can bind two calcium ions per subunit. The gene encoding 1810030J14Rik maps to mouse chromosome 1 H3. There is no known human homolog to 1810030J14Rik.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: 1810030J14Rik (mouse) mapping to 1 H3.

SOURCE

1810030J14Rik (E-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of 1810030J14Rik of mouse 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-247756 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

1810030J14Rik (E-16) is recommended for detection of 1810030J14Rik of mouse origin and the corresponding rat homolog 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).

1810030J14Rik (E-16) is also recommended for detection of 1810030J14Rik in additional species, including equine and bovine.

Suitable for use as control antibody for 1810030J14Rik siRNA (m): sc-108564, 1810030J14Rik shRNA Plasmid (m): sc-108564-SH and 1810030J14Rik shRNA (m) Lentiviral Particles: sc-108564-V.

Molecular Weight of 1810030J14Rik: 25 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.