**BACKGROUND**

TRAF5 is a member of the TNF receptor-associated factor (TRAF) protein family. TRAF proteins are associated with, and mediate signal transduction from, members of the TNF receptor superfamily. TRAF5 is one of the components of a complex associated with the CD40 cytoplasmic domains, which mediates TNF-induced NFκB activation and protection from cell death. TRAF5 influences signaling events by other receptors including CD27, CD30 and lymphotoxin-β receptor. TRAF5 plays a role in osteoclastogenesis. Two alternatively spliced transcript variants encoding the same protein have been reported. The tumor necrosis factor (TNF) receptor superfamily is composed of several type I integral membrane glycoproteins that exhibit homology in their cystine-rich extra-cellular domains.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: Traf5 (mouse) mapping to 1 H6.

**PRODUCT**

TRAF5 (m): 293T Lysate represents a lysate of mouse TRAF5 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

**STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

**PROTOCOLS**

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

**APPLICATIONS**

TRAF5 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TRAF5 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TRAF5 (E-4): sc-74502 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse TRAF5 expression in TRAF5 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

**DATA**

TRAF5 (E-4): sc-74502. Western blot analysis of TRAF5 expression in non-transfected: sc-117752 (A) and mouse TRAF5 transfected: sc-124243 (B) 293T whole cell lysates.