

## TRAF5 (1-257): sc-4484 WB

### BACKGROUND

The tumor necrosis factor (TNF) receptor superfamily is composed of several type I integral membrane glycoproteins that exhibit homology in their cysteine-rich extracellular domains. Members of this family include Lymphotoxin- $\beta$  receptor (LT- $\beta$ R), TNFR1 and II and CD40. Ligands for these receptors can be small, secreted proteins, such as TNF, or type II integral membrane proteins, as is the case for the CD40 ligand, CD40L. While the signal transduction mechanism of the TNF receptor superfamily is poorly understood, activation of LT- $\beta$ R, TNFR or CD40 have been shown to induce the nuclear translocation of NF $\kappa$ B. Members of the TRAF (TNF receptor-associated factor) family have been implicated in this process. Five members have been described and are designated TRAF1, TRAF2, TRAF3 (variously referred to as CRAF1, LAP1 or CD40bp), TRAF4 (CART1) and TRAF5. TRAF5 binds to LT- $\beta$ R and is functionally similar to TRAF2.

### REFERENCES

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### SOURCE

TRAF5 (1-257) is expressed in *E. coli* as a 32 kDa tagged fusion protein corresponding to amino acids 1-257 of TRAF5 of human origin.

### PRODUCT

TRAF5 (1-257) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10  $\mu$ g protein in 0.1 ml SDS-PAGE loading buffer.

### APPLICATIONS

TRAF5 (1-257) is suitable as a Western blotting control for sc-7220.

### STORAGE

Store at -20° C; stable for one year from the date of shipment.

### RESEARCH USE

For research use only, not for use in diagnostic procedures.