

TRAF1 Blocking Peptide

✓ 100 µg



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For Research Use Only. Not For Use In Diagnostic Procedures.

Description: This peptide is used to block TRAF1 (45D3) Rabbit mAb #4715 reactivity in peptide dot blot protocols.

Background: TRAFs (TNF receptor-associated factors) are a family of multifunctional adaptor proteins that bind to surface receptors and recruit additional proteins to form multiprotein signaling complexes capable of promoting cellular responses (1-3). Members of the TRAF family share a common carboxy-terminal "TRAF domain" which mediates interactions with associated proteins; many also contain amino-terminal Zinc/RING finger motifs. The first TRAFs identified, TRAF1 and TRAF2, were found by virtue of their interactions with the cytoplasmic domain of TNF-receptor 2 (TNFR2) (4). The six known TRAFs (TRAF1-6) act as adaptor proteins for a wide range of cell surface receptors and participate in the regulation of cell survival, proliferation, differentiation, and stress responses.

Quality Control: The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry. The peptide blocks TRAF1 (45D3) Rabbit mAb #4715 signal in peptide dot blot.

Direction for Use: Use as a blocking reagent to evaluate the specificity of antibody reactivity in peptide dot blot protocols. Recommended antibody dilutions can be found on the product data sheet.

Background References:

- (1) Arch, R.H. et al. (1998) *Genes Dev.* 12, 2821-2830.
- (2) Chung, J. Y. et al. (2002) *J. Cell Sci.* 115, 679-688.
- (3) Bradley, J.R. and Pober, J.S. (2001) *Oncogene* 20, 6482-6491.
- (4) Rothe, M. et al. (1994) *Cell* 78, 681-692.

Entrez Gene ID #7185

UniProt ID #Q13077

Storage: Supplied in 20 mM potassium phosphate (pH 7.0), 50 mM NaCl, 0.1 mM EDTA, 1 mg/ml BSA and 5% glycerol. 1% DMSO. Store at -20°C.

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