

TRAF1 Antibody (N-term) Blocking peptide Synthetic peptide

Catalog # BP13946a

Specification

TRAF1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession

<u>Q13077</u>

TRAF1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 7185

Other Names TNF receptor-associated factor 1, Epstein-Barr virus-induced protein 6, TRAF1, EBI6

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13946a was selected from the N-term region of TRAF1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRAF1 Antibody (N-term) Blocking peptide - Protein Information

Name TRAF1

Synonyms EBI6

Function

Adapter molecule that regulates the activation of NF-kappa-B and JNK. Plays a role in the regulation of cell survival and apoptosis. The heterotrimer formed by TRAF1 and TRAF2 is part of a E3 ubiquitin- protein ligase complex that promotes ubiquitination of target proteins, such as MAP3K14. The TRAF1/TRAF2 complex recruits the antiapoptotic E3 protein-ubiquitin ligases BIRC2 and BIRC3 to TNFRSF1B/TNFR2.

TRAF1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.



Blocking Peptides

TRAF1 Antibody (N-term) Blocking peptide - Images

TRAF1 Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a member of the TNFreceptor (TNFR) associated factor (TRAF) protein family. TRAFproteins associate with, and mediate the signal transduction fromvarious receptors of the TNFR superfamily. This protein and TRAF2form a heterodimeric complex, which is required forTNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. Theprotein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates theanti-apoptotic signals from TNF receptors. The expression of thisprotein can be induced by Epstein-Barr virus (EBV). EBV infectionmembrane protein 1 (LMP1) is found to interact with this and otherTRAF proteins; this interaction is thought to link LMP1-mediated Blymphocyte transformation to the signal transduction from TNFRfamily receptors. Three transcript variants encoding two differentisoforms have been found for this gene.

TRAF1 Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Plant, D., et al. Ann. Rheum. Dis. 69(8):1548-1553(2010)Stahl, E.A., et al. Nat. Genet. 42(6):508-514(2010)Tan, R.J., et al. Ann. Rheum. Dis. 69(6):1029-1035(2010)Vuong, M.T., et al. PLoS ONE 5 (5), E10559 (2010) :