

**Phospho-ATF4-pS245 Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP3359a****Specification**

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**Phospho-ATF4-pS245 Blocking Peptide - Product Information**

Primary Accession [O96A03](#)  
Other Accession [P18848](#)

**Phospho-ATF4-pS245 Blocking Peptide - Additional Information****Other Names**

Tax-responsive enhancer element B67; ATF4 protein

**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.

**Phospho-ATF4-pS245 Blocking Peptide - Protein Information****Phospho-ATF4-pS245 Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Phospho-ATF4-pS245 Blocking Peptide - Images****Phospho-ATF4-pS245 Blocking Peptide - Background**

This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.

**Phospho-ATF4-pS245 Blocking Peptide - References**

Gombart,A.F., J. Leukoc. Biol. 81 (6), 1535-1547 (2007) Jousse,C., J. Biol. Chem. 282 (21), 15851-15861 (2007) Kakiuchi,C., Neurosci. Lett. 417 (3), 316-321 (2007) Marchand,A., J. Biol. Chem. 281 (28), 19124-19133 (2006)