Bioworld Technology CO., Ltd.

TCF-1 (F26) Peptide

Cat No.: BS1987P

Background

T-cell factor-1 (TCF-1) is a DNA-binding transcriptional activator that isessential for lymphoid cell development. The TCF family of transcription factors are activated by the Wnt-1 and Wingless pathways and are characterized by the presence of a conserved protein motif, the high mobility group (HMG) 1 box, which mediates DNA binding. Several alternative splice variants of TCF-1 have been identified, including TCF-1A, which share a conserved amino terminus and differ in the carboxy terminal sequences. The Wnt mediated signaling pathway induces cytosolic β-catenin binding to TCF proteins within the nucleus, leading to the enhanced expression of the Wnt target genes. The β-catenin-TCF complexes are negatively regulated by the adenomatous polyposis coli (APC) tumor suppressor protein, which phosphorylates β-catenin and, in turn, increases the degradation of cytosolic β-catenin and inhibits the transcriptional activity of the TCF proteins.

Swiss-Prot

P36402

Applications

Blocking

Specificity

This peptide can be used with studies using BS1987 TCF-1 (F26) pAb.

Purification & Purity

Synthetic peptide TCF-1 (F26). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

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

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