

TCF1 alpha monoclonal antibody

Catalog: MB67243

Host: Mouse

Reactivity: Human

BackGround:

LEF1 and TCF are members of the high mobility group (HMG) DNA-binding protein family of transcription factors that consists of the following: Lymphoid Enhancer Factor 1 (LEF1), T Cell Factor 1 (TCF1/TCF7), TCF3/TCF7L1, and TCF4/TCF7L2. LEF1 and TCF1/TCF7 were originally identified as important factors that regulate early lymphoid development and act downstream in Wnt signaling. LEF1 and TCF bind to Wnt response elements to provide docking sites for 尾-catenin, which translocates to the nucleus to promote the transcription of target genes upon activation of Wnt signaling. LEF1 and TCF are dynamically expressed during development and aberrant activation of the Wnt signaling pathway is involved in many types of cancers, including colon cancer.

LEF1 has several isoforms due to alternative splicing. LEF1 also has an alternative promoter that is preferentially active in lymphocytes. The isoforms generated by this alternative promoter have no amino-terminal 尾-catenin binding domain and may function in a dominant negative manner.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q9UJU2

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/1000 - 1/2000)

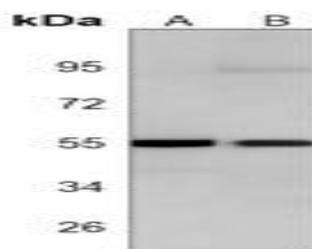
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of TCF1 alpha protein.

DATA:



Western blot analysis of TCF1 alpha expression in SW480 (A), Jurkat (B) whole cell lysates.

Note:

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

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