

## TCF7L2 polyclonal antibody

Catalog: BS91324

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

T cell factors (TCFs) comprise a family of DNA-binding transcriptional activators that are essential for lymphoid cell development. These 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. TCF-4 mainly localizes in the cytoplasm and is transported into the nucleus directly bound to  $\beta$ -catenin in a cooperative manner. This TCF-4/ $\beta$ -catenin complex induces expression of Wnt target genes, including multiple cancer-associated genes. c-Jun also interacts with TCF-4 and  $\beta$ -catenin, and the phosphorylation-dependent interaction between c-Jun and TCF4 regulates intestinal tumorigenesis by integrating JNK and APC/ $\beta$ -catenin. TCF-4 is also implicated in bipolar affective disorder.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

68 kDa

### Swiss-Prot:

Q9NQB0(Human)

Q924A0(Mouse)

Unigene:105849(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:1,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

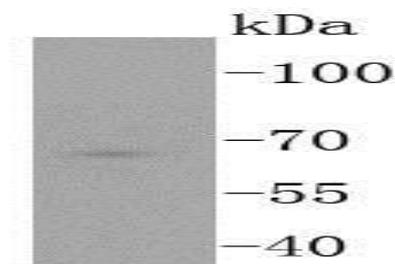
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

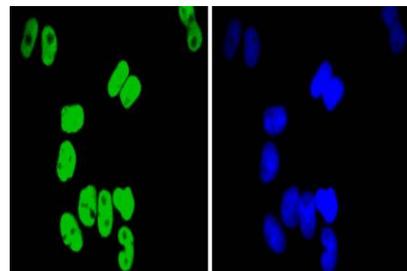
### Specificity:

TCF7L2 polyclonal antibody detects endogenous levels of TCF7L2 protein.

### DATA:



Western blot analysis of TCF7L2 on Jurkat cells lysates using anti-TCF7L2 antibody at 1/1,000 dilution.



ICC staining TCF7L2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

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

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