

**TCF-3 Polyclonal Antibody** 

Catalog # AP72762

### Specification

# **TCF-3 Polyclonal Antibody - Product Information**

Application Primary Accession Reactivity Host Clonality WB, IHC-P <u>P15923</u> Human, Mouse, Rat Rabbit Polyclonal

### **TCF-3 Polyclonal Antibody - Additional Information**

Gene ID 6929

**Other Names** 

TCF3; BHLHB21; E2A; ITF1; Transcription factor E2-alpha; Class B basic helix-loop-helix protein 21; bHLHb21; Immunoglobulin enhancer-binding factor E12/E47; Immunoglobulin transcription factor 1; Kappa-E2-binding factor; Transcription facto

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A

**Format** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

## TCF-3 Polyclonal Antibody - Protein Information

Name TCF3

Synonyms BHLHB21, E2A, ITF1

#### Function

Transcriptional regulator involved in the initiation of neuronal differentiation and mesenchymal to epithelial transition (By similarity). Heterodimers between TCF3 and tissue-specific basic helixloop-helix (bHLH) proteins play major roles in determining tissue- specific cell fate during embryogenesis, like muscle or early B-cell differentiation (By similarity). Together with TCF15, required for the mesenchymal to epithelial transition (By similarity). Dimers bind DNA on E-box motifs: 5'-CANNTG-3' (By similarity). Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer (PubMed:<a href="http://www.uniprot.org/citations/2493990" target="\_blank">>2493990</a>). Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region (By similarity).



**Cellular Location** Nucleus.

## **TCF-3 Polyclonal Antibody - Protocols**

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### **TCF-3 Polyclonal Antibody - Images**



## **TCF-3 Polyclonal Antibody - Background**

Transcriptional regulator. Involved in the initiation of neuronal differentiation. Heterodimers between TCF3 and tissue- specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E- box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region.