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Goat anti-TCF3 / ITF1, Biotinylated Antibody

Peptide-affinity purified goat antibody

Catalog # AF4407a

Specification

Goat anti-TCF3 / ITF1, Biotinylated Antibody - Product Information

Application	**WB, IHC, Pep-ELISA**
Primary Accession	P15923
Other Accession	NP_003191.1
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**67600**

Goat anti-TCF3 / ITF1, Biotinylated Antibody - Additional Information

Gene ID 6929

Other Names
TCF3; transcription factor 3; E2A; E47; ITF1; TCF-3; VDIR; bHLHb21; NOL1-TCF3 fusion; VDR interacting repressor; class B basic helix-loop-helix protein 21; helix-loop-helix protein HE47; immunoglobulin transcription factor 1; kappa-E2-binding factor; nega

Dilution
WB~~1:1000
IHC~~1:100~500
Pep-ELISA~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
This antibody is expected to recognize reported isoform E12 (NP_003191.1) only.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat anti-TCF3 / ITF1, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-TCF3 / ITF1, Biotinylated 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 helix-loop-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:2493990). Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region (By similarity).

Cellular Location
Nucleus.

Goat anti-TCF3 / ITF1, Biotinylated Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-TCF3 / ITF1, Biotinylated Antibody - Images