# ARG64126
# anti-TCF3 / ITF1 antibody

Package: 100 µg
Store at: -20°C

## Summary

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|---|---|
| Product Description | Goat Polyclonal antibody recognizes TCF3 / ITF1 |
| Tested Reactivity | Hu |
| Tested Application | IHC-P, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | TCF3 / ITF1 |
| Species | Human |
| Immunogen | C-KAPRARTSPDEDED |
| Conjugation | Un-conjugated |
| Alternate Names | TCF-3; E47; VDIR; Class B basic helix-loop-helix protein 21; Immunoglobulin transcription factor 1; Transcription factor 3; Kappa-E2-binding factor; bHLHb21; E2A; Transcription factor ITF-1; Transcription factor E2-alpha; ITF1; Immunoglobulin enhancer-binding factor E12/E47 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-P | 3 - 5 µg/ml |
| WB | 0.01 - 0.03 µg/ml |

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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| Form | Liquid |
| Purification | Purified from goat serum by antigen affinity chromatography. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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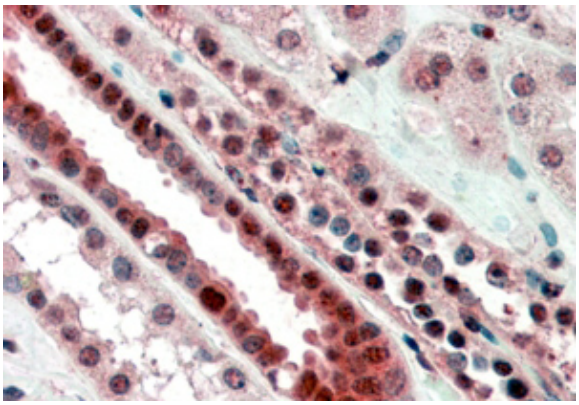
|---|---|
| Database links | GeneID: 6929 Human<br><br>Swiss-port # P15923 Human |
| Background | This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, Sep 2011] |
| Research Area | Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody |
| Calculated Mw | 68 kDa |
| PTM | Phosphorylated following NGF stimulation. |

## Images


ARG64126 anti-TCF3 / ITF1 antibody WB image

Western Blot: Daudi cell lysate (35 µg protein in RIPA buffer) stained with ARG64126 anti-TCF3 antibody at 0.01 µg/ml dilution.



ARG64126 anti-TCF3 / ITF1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Kidney. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64126 anti-TCF3 antibody at 3.8 µg/ml dilution followed by AP-staining.