

TCF3 / E2A Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12722**Specification**

TCF3 / E2A Antibody (Internal) - Product Information

Application	WB, IHC-P, E
Primary Accession	P15923
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	68kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

TCF3 / E2A Antibody (Internal) - Additional Information**Gene ID** 6929**Other Names**

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 factor 3, TCF-3, Transcription factor ITF-1, TCF3, BHLHB21, E2A, ITF1

Target/Specificity

Human TCF3.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

TCF3 / E2A Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

TCF3 / E2A Antibody (Internal) - 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.

TCF3 / E2A Antibody (Internal) - Protocols

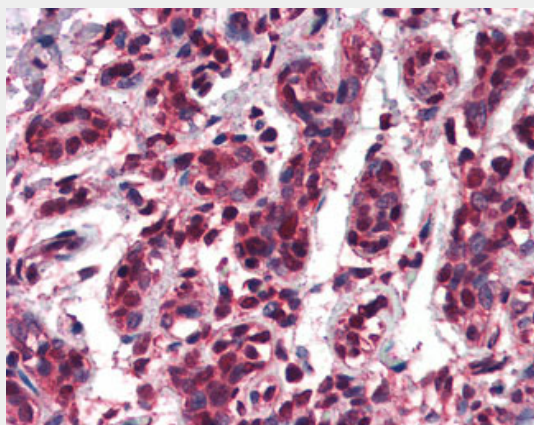
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

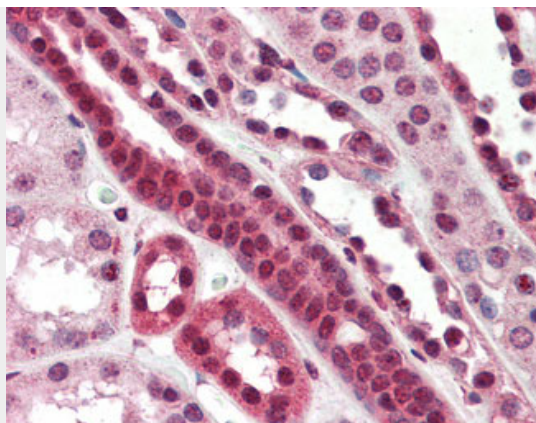
TCF3 / E2A Antibody (Internal) - Images



Antibody (0.01 ug/ml) staining of Daudi cell lysate (35 ug protein in RIPA buffer).



Anti-TCF3 antibody IHC of human breast.



Anti-TCF3 antibody IHC of human kidney.

TCF3 / E2A Antibody (Internal) - 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.

TCF3 / E2A Antibody (Internal) - References

Kamps M.P., et al. Cell 60:547-555(1990).
Nourse J., et al. Cell 60:535-545(1990).
Grimwood J., et al. Nature 428:529-535(2004).
Murre C., et al. Cell 56:777-783(1989).
Henthorn P., et al. Nucleic Acids Res. 18:677-677(1990).