

TCF7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51552**Specification**

TCF7 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	P36402
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42, 50 KDa

TCF7 Antibody - Additional Information**Gene ID** 6932**Other Names**

Transcription factor 7, TCF-7, T-cell-specific transcription factor 1, T-cell factor 1, TCF-1, TCF7, TCF1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TCF7. The exact sequence is proprietary.

Dilution

WB~~1:1000

IP~~N/A

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

TCF7 Antibody - Protein Information**Name** TCF7 ([HGNC:11639](#))**Synonyms** TCF1**Function**

Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T-lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. Represses expression of the T-cell receptor gamma gene

in alpha-beta T- cell lineages (By similarity). Required for the development of natural killer receptor-positive lymphoid tissue inducer T-cells (By similarity). TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes.

Cellular Location

Nucleus.

Tissue Location

Predominantly expressed in T-cells. Also detected in proliferating intestinal epithelial cells and in the basal epithelial cells of mammary gland epithelium

TCF7 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 Cytometry](#)
- [Cell Culture](#)

TCF7 Antibody - Images**TCF7 Antibody - Background**

Transcriptional activator involved in T-cell lymphocyte differentiation. Necessary for the survival of CD4(+) CD8(+) immature thymocytes. Isoforms lacking the N-terminal CTNNB1 binding domain cannot fulfill this role. Binds to the T- lymphocyte-specific enhancer element (5'-WWCAAAG-3') found in the promoter of the CD3E gene. May also act as feedback transcriptional repressor of CTNNB1 and TCF7L2 target genes. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7 and CTNNB1.

TCF7 Antibody - References

van de Wetering M.,et al.EMBO J. 10:123-132(1991).
van de Wetering M.,et al.J. Biol. Chem. 267:8530-8536(1992).
Mayer K.,et al.Biochim. Biophys. Acta 1263:169-172(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.