

# TCF21 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP11577b

## Product Information

---

<b>Application</b>	FC, WB, E
<b>Primary Accession</b>	<a href="#">O43680</a>
<b>Other Accession</b>	<a href="#">Q5E9S3</a> , <a href="#">NP_003197.2</a> , <a href="#">NP_938206.1</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	19715
<b>Antigen Region</b>	144-173

## Additional Information

---

<b>Gene ID</b>	6943
<b>Other Names</b>	Transcription factor 21, TCF-21, Capsulin, Class A basic helix-loop-helix protein 23, bHLHa23, Epicardin, Podocyte-expressed 1, Pod-1, TCF21, BHLHA23, POD1
<b>Target/Specificity</b>	This TCF21 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-173 amino acids from the C-terminal region of human TCF21.
<b>Dilution</b>	FC~1:10~50 WB~1:1000 E~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	TCF21 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	TCF21
<b>Synonyms</b>	BHLHA23, POD1
<b>Function</b>	Involved in epithelial-mesenchymal interactions in kidney and lung

morphogenesis that include epithelial differentiation and branching morphogenesis. May play a role in the specification or differentiation of one or more subsets of epicardial cell types.

## Cellular Location

Nucleus.

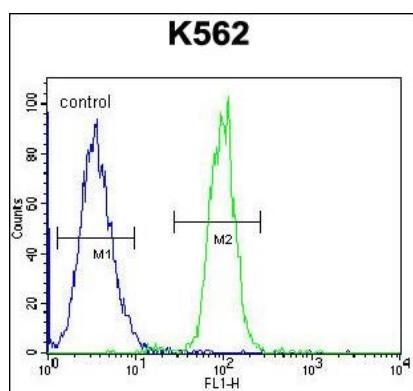
## Background

TCF21 encodes a transcription factor of the basic helix-loop-helix family. The TCF21 product is mesoderm specific, and expressed in embryonic epicardium, mesenchyme-derived tissues of lung, gut, gonad, and both mesenchymal and glomerular epithelial cells in the kidney. Two transcript variants encoding the same protein have been found for this gene.

## References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :  
Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)  
Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :  
Smith, L.T., et al. Proc. Natl. Acad. Sci. U.S.A. 103(4):982-987(2006)  
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)

## Images



TCF21 Antibody (C-term) (Cat. #AP11577b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## Citations

- [Down-regulation of TCF21 by hypermethylation induces cell proliferation, migration and invasion in colorectal cancer.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.