

Datasheet for ABIN655524  
**anti-TCF21 antibody (C-Term)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	TCF21
Binding Specificity:	AA 144-173, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF21 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	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.
Clone:	RB19888
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	TCF21
Alternative Name:	TCF21 ( <a href="#">TCF21 Products</a> )

## Target Details

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.
Gene ID:	6943
NCBI Accession:	<a href="#">NP_003197</a> , <a href="#">NP_938206</a>
UniProt:	<a href="#">O43680</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months

## Publications

Product cited in:	Han, Liang, Yi, Tan, He, Wang, Li, Wu, Ma, Shi, Guo, Bai: "Long-Term Selenium-Deficient Diet Induces Liver Damage by Altering Hepatocyte Ultrastructure and MMP1/3 and TIMP1/3 Expression in Growing Rats." in: <b>Biological trace element research</b> , (2016) ( <a href="#">PubMed</a> ).
	Peng, Xin, Han, Gao, Gao, Lei, Ji, An, Cao: "Expression and regulative function of tissue inhibitor

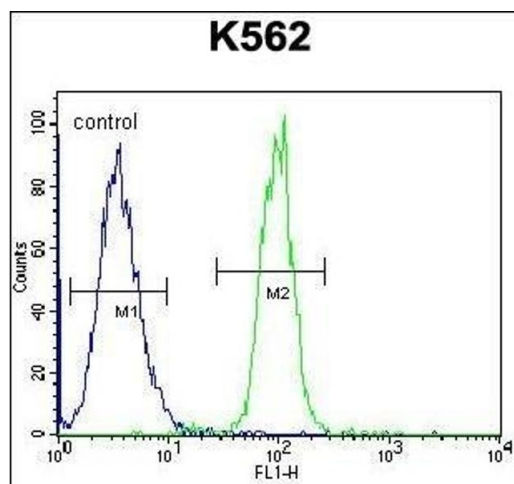
of metalloproteinase 3 in the goat ovary and its role in cultured granulosa cells." in: **Molecular and cellular endocrinology**, Vol. 412, pp. 104-15, (2015) ([PubMed](#)).

Peng, Gao, Gao, Lei, Han, Xin, An, Cao: "Expression and regulation of tissue inhibitors of metalloproteinases (TIMP1 and TIMP3) in goat oviduct." in: **Theriogenology**, Vol. 84, Issue 9, pp. 1636-43, (2015) ([PubMed](#)).

Lu, Cao, Liu, Li, Chen, Fu, Zhang, Liu, Luo, Wang, Li, Caterson: "The effects of mycotoxins and selenium deficiency on tissue-engineered cartilage." in: **Cells, tissues, organs**, Vol. 196, Issue 3, pp. 241-50, (2012) ([PubMed](#)).

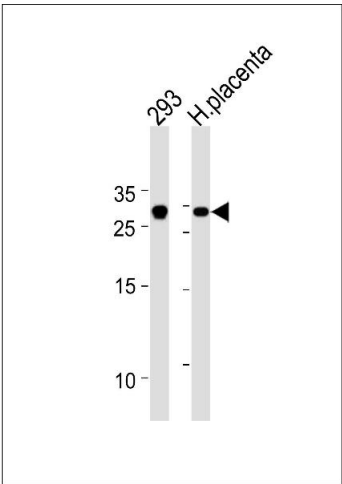
Liu, Cui, Ao, Zhou, Zhou, Yuan, Xiang, Liu, Cao et al.: "Aberrant methylation accounts for cell adhesion-related gene silencing during 3-methylcholanthrene and diethylnitrosamine induced multistep rat lung carcinogenesis associated with overexpression of ..." in: **Toxicology and applied pharmacology**, Vol. 251, Issue 1, pp. 70-8, (2011) ([PubMed](#)).

## Images



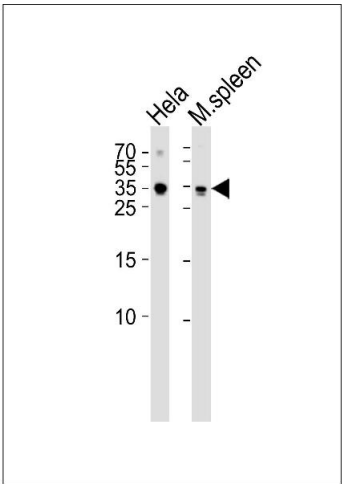
### Flow Cytometry

**Image 1.** TCF21 Antibody (C-term) (ABIN655524 and ABIN2845037) 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.



Western Blotting

**Image 2.** TCF21 Antibody (C-term) (ABIN655524 and ABIN2845037) western blot analysis in 293 cell line and human placenta tissue lysates (35 µg/lane). This demonstrates the TCF21 antibody detected the TCF21 protein (arrow).



Western Blotting

**Image 3.** Western blot analysis of lysates from HeLa cell line mouse spleen tissue lysate (from left to right), using TCF21 Antibody (C-term) (ABIN655524 and ABIN2845037). (ABIN655524 and ABIN2845037) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.