

Datasheet for ABIN2777927  
**anti-TCF7L2 antibody (Middle Region)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	TCF7L2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF7L2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TCF7L2
Sequence:	GGFRHPYPTA LTVNASMSRF PPHMVPPHHT LHTTGIPHPA IVTPTVKQES
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 92%, Mouse: 92%, Rabbit: 92%, Rat: 92%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against TCF7L2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	TCF7L2
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## Target Details

Alternative Name:	TCF7L2 ( <a href="#">TCF7L2 Products</a> )
Background:	<p>The TCF7L2 is a high mobility group (HMG) box-containing transcription factor implicated in blood glucose homeostasis. The study of Yi et al. suggested that TCF7L2 acts through regulation of proglucagon through repression of the proglucagon gene in enteroendocrine cells via the Wnt signaling pathway. The TCF7L2 gene product is a high mobility group (HMG) box-containing transcription factor implicated in blood glucose homeostasis. The study of Yi et al. (2005) [PubMed 15525634] suggested that TCF7L2 acts through regulation of proglucagon (MIM 138030) through repression of the proglucagon gene in enteroendocrine cells via the Wnt signaling pathway.[supplied by OMIM]. Sequence Note: This gene (TCF7L2, alias TCF-4) is distinct from TCF4. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-202 DA473655.1 1-202 203-251 Y11306.2 3-51 252-1252 AK225809.1 256-1256 1253-1305 Y11306.2 1053-1105 1306-1756 AK225809.1 1310-1760 1757-1811 Y11306.2 1557-1611 1812-2652 AK225809.1 1765-2605</p> <p>Alias Symbols: TCF-4, TCF4</p> <p>Protein Interaction Partner: UBC, FBLN1, UBE2I, PSMA3, MAD2L2, ZBTB33, DAXX, CTNNB1, ELAVL1, PARP1, XRCC5, SUMO2, XRCC6, NR5A1, EP300, CEBPA, CTBP1, DAZAP2, CTNNBIP1, JUP, CSNK2A2, CSNK2A1, PSEN1, NLK, RAC1,</p> <p>Protein Size: 596</p>
Molecular Weight:	65 kDa
Gene ID:	6934
NCBI Accession:	<a href="#">NM_030756</a> , <a href="#">NP_110383</a>
UniProt:	<a href="#">Q6FW4</a>
Pathways:	<a href="#">WNT Signaling</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 596 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



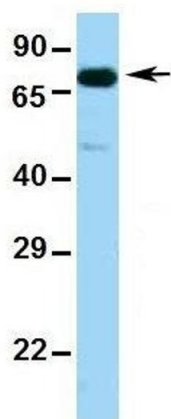
### Western Blotting

**Image 1.** WB Suggested Anti-TCF7L2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: Human Muscle

### Western Blotting

**Image 2.** Hum. Fetal Heart

## TCF7L2



### Western Blotting

**Image 3.** Hum. Fetal Lung

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2777927.