

Datasheet for ABIN674351

anti-TCF7L2 antibody (AA 401-550) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TCF7L2
Binding Specificity:	AA 401-550
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF7L2 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TCF7L2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	TCF7L2
Alternative Name:	TCF7L2 (TCF7L2 Products)

Target Details

Background:	<p>Synonyms: TCF4, TCF-4, Transcription factor 7-like 2, HMG box transcription factor 4, T-cell-specific transcription factor 4, T-cell factor 4, hTCF-4, TCF7L2</p> <p>Background: Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif 5'-CCTTTGATC-3' in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1. Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.</p>
Gene ID:	6934
UniProt:	Q9NQB0
Pathways:	WNT Signaling , Positive Regulation of Peptide Hormone Secretion , Peptide Hormone Metabolism , Regulation of Hormone Metabolic Process , Carbohydrate Homeostasis , Stem Cell Maintenance , Protein targeting to Nucleus

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months