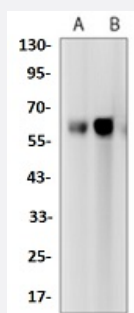


RecomAb™

TCF7L2 recombinant monoclonal antibody

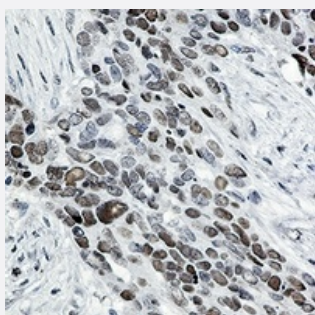
Catalog # RAB02544 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K562 (A), HeLa (B) whole cell lysates with TCF7L2 recombinant monoclonal antibody (Cat # RAB02544).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human cholangiocarcinoma formalin fixed paraffin embedded tissue section using TCF7L2 recombinant monoclonal antibody (Cat # RAB02544). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.45). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TCF7L2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human TCF7L2.
Theoretical MW (kDa)	58
Reactivity	Human

Specificity	Recognizes endogenous levels of TCF7L2 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunoprecipitation

Gene Info — TCF7L2

Entrez GeneID	6934
Protein Accession#	Q9NQB0
Gene Name	TCF7L2
Gene Alias	TCF-4, TCF4

Gene Description	transcription factor 7-like 2 (T-cell specific, HMG-box)
Omim ID	125853 602228
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes
Other Designations	OTTHUMP00000020496 transcription factor 7-like 2

Pathway

- [Acute myeloid leukemia](#)
- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Basal cell carcinoma](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Thyroid cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)

- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Fatty Liver](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Growth Disorders](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Malnutrition](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Neoplasms](#)
- [Overweight](#)
- [Pancreatitis](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)
- [Prediabetic State](#)

- [Pregnancy Complications](#)
- [Pregnancy in Diabetics](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Starvation](#)
- [Taste](#)
- [Thinness](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)