

Anti-TCF7L2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Cow)
Molecular Weight:	Theoretical: 68 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TCF7L2) Polyclonal Antibody, Unconjugated (TMAB-13427) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TCF7L2
Antigen Species:	Human
Gene ID:	6934
Uniprot ID:	Q9NQB0

Research Background

TCF-4, transcription factor 4, is a basic helix-turn-helix transcription factor. This protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. The gene for TCF-4 is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Multiple alternatively spliced transcript variants that encode different proteins have been described. TCF4, also known as TCF7L2, is expressed widely during development. Gene targeting study indicates that it is required to maintain the crypt stem cells of the small intestine. TCF4 has many different splicing isoforms and they are expressed differentially in tissues and in cancers of different stages. Studies also indicate that variant of the TCF4 gene confers an increased risk of type 2 diabetes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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