

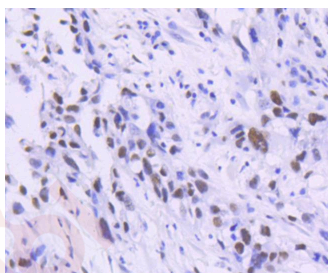
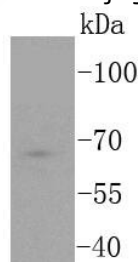
Anti-TCF7L2 Antibody (8D555)

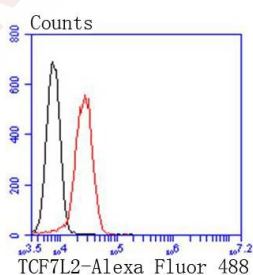
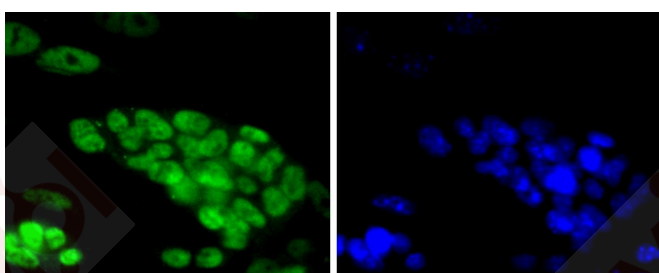
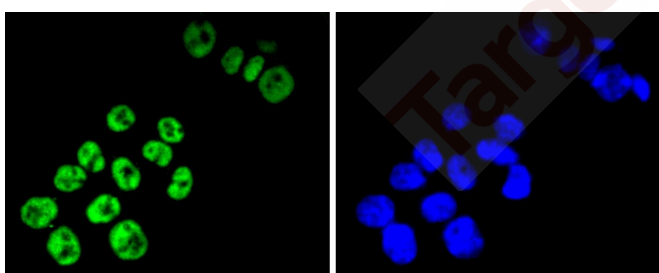
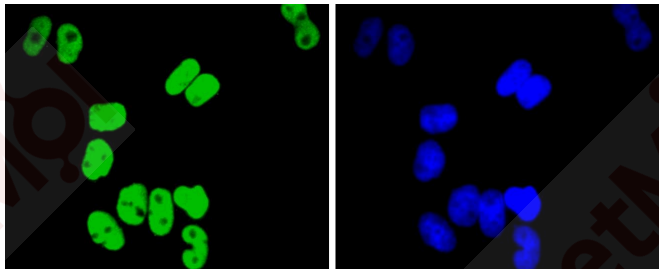
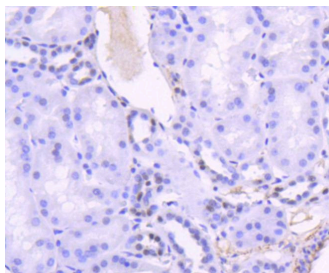
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 68 kDa.
Clone:	8D555
Purification:	ProA affinity purified

Applications

- Verified Activity:
1. Western blot analysis of TCF7L2 on Jurkat cells lysates using anti-TCF7L2 antibody at 1/1,000 dilution.
 2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TCF7L2 antibody. Counter stained with hematoxylin.
 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-TCF7L2 antibody. Counter stained with hematoxylin.
 4. ICC staining TCF7L2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 5. ICC staining TCF7L2 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 6. ICC staining TCF7L2 in D3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 7. Flow cytometric analysis of Jurkat cells with TCF7L2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9NQB0
Synonyms:	Transcription factor 7 like 2 T cell specific HMG box;HMG box transcription factor 4;T cell specific transcription factor 4;TCF7L2 protein;TCF7L2;hTCF 4;T-cell-specific transcription factor 4;TF7L2_HUMAN;TCF 4;Transcription factor 7-like 2;TCF4;hTCF-4;T cell factor 4;T-cell factor 4;TCF-4;Transcription factor 7 like 2;T cell specific HMG box

Research Background

T cell factors (TCFs) comprise a family of DNA-binding transcriptional activators that are essential for lymphoid cell development. These transcription factors are activated by the Wnt-1 and Wingless pathways and are characterized by the presence of a conserved protein motif, the high mobility group (HMG) 1 box, which mediates DNA binding. TCF-4 mainly localizes in the cytoplasm and is transported into the nucleus directly bound to β -catenin in a cooperative manner. This TCF-4/ β -catenin complex induces expression of Wnt target genes, including multiple cancer-associated genes. c-Jun also interacts with TCF-4 and β -catenin, and the phosphorylation-dependent interaction between c-Jun and TCF4 regulates intestinal tumorigenesis by integrating JNK and APC/ β -catenin. TCF-4 is also implicated in bipolar affective disorder.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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