

Product Name: KD-Validated GTF2F2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01779

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 28.4kDa

Antigen Information

Gene Name	GTF2F2 GTF2F2; General Transcription Factor IIF Subunit 2; RAP30; TFIIIF; BTF4; General Transcription Factor IIF, Polypeptide 2, 30kDa; Transcription Initiation Factor IIF Subunit Beta; General
Alternative Names	Transcription Factor IIF 30 KDa Subunit; Transcription Initiation Factor RAP30; TFIIIF-Beta; General Transcription Factor IIF, Polypeptide 1 (74kD Subunit); ATP-Dependent Helicase GTF2F2; EC 3.6.1; TF2F2
Gene ID	2963.0
SwissProt ID	P13984
Immunogen	A synthesized peptide derived from human GTF2F2

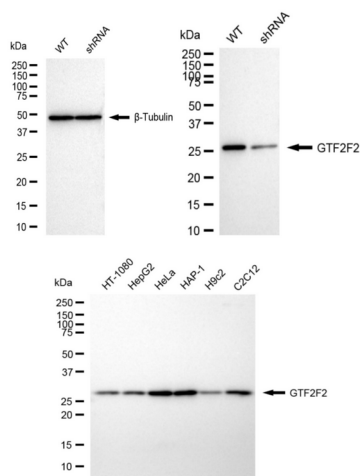
Background

Predicted to enable RNA polymerase II general transcription initiation factor activity. Involved in positive regulation of transcription by RNA polymerase II; transcription elongation by RNA polymerase II; and transcription initiation at RNA polymerase II promoter. Located in microtubule cytoskeleton and nucleoplasm. Part of transcription factor TFIIF complex. [provided by Alliance of Genome Resources, Jul 2025]

Research Area

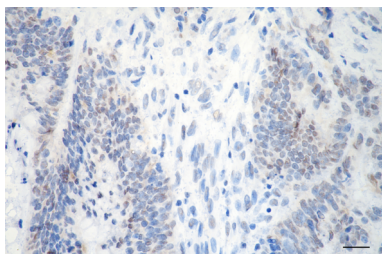
Epigenetics and Nuclear Signaling

Image Data

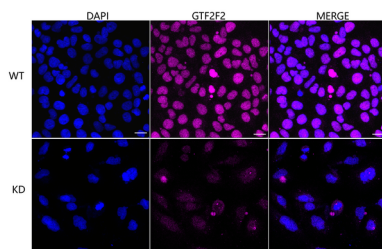


Western blotting analysis using GTF2F2 antibody (KVA01779). GTF2F2 expression in wild type (WT) and GTF2F2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with GTF2F2 antibody (KVA01779, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

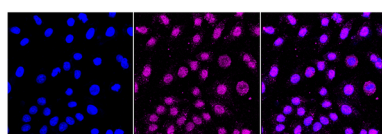
Western blotting analysis using GTF2F2 antibody (KVA01779). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GTF2F2 antibody (KVA01779, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using GTF2F2 antibody (KVA01779, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HeLa cells using GTF2F2 antibody (KVA01779, 1:1,000). Top panel: wild-type (WT); Bottom panel: GTF2F2 shRNA knockdown (KD). Nuclei were stained blue with DAPI; GTF2F2 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with GTF2F2 antibody (KVA01779, 1:1,000). Nuclei were stained blue with DAPI; GTF2F2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 µm.