

Product Name: KD-Validated GTF2I Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01055**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,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; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 112.4kDa

Antigen Information

Gene Name	GTF2I GTF2I; General Transcription Factor Ii; TFII-I; SPIN; BAP-135; BTKAP1; WBSCR6; IB291; DIWS; Bruton Tyrosine Kinase-Associated Protein 135; General Transcription Factor II-I; SRF-Phox1-
Alternative Names	Interacting Protein; GTFII-I; BAP135; Williams-Beuren Syndrome Chromosomal Region 6 Protein; Williams-Beuren Syndrome Chromosome Region 6; General Transcription Factor II, I; BTK-Associated Protein, 135kD; BTK-Associated Protein 135; WBS
Gene ID	2969.0
SwissProt ID	P78347
Immunogen	A synthesized peptide derived from human GTF2I

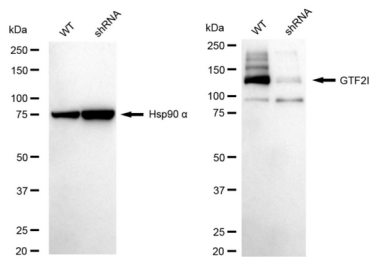
Background

This gene encodes a phosphoprotein containing six characteristic repeat motifs. The encoded protein binds to the initiator element (Inr) and E-box element in promoters and functions as a regulator of transcription. This locus, along with several other neighboring genes, is deleted in Williams-Beuren syndrome. There are many closely related genes and pseudogenes for this gene on chromosome 7. This gene also has pseudogenes on chromosomes 9, 13, and 21. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2013]

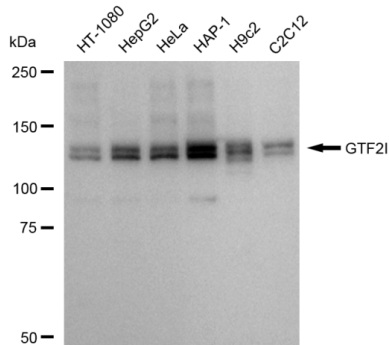
Research Area

Epigenetics and Nuclear Signaling

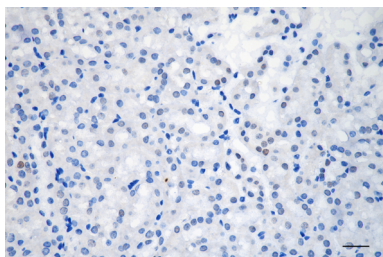
Image Data



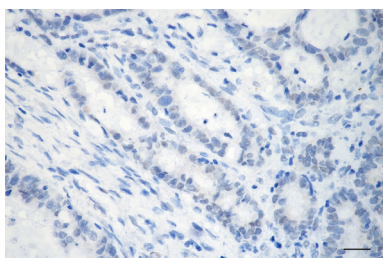
Western blotting analysis using GTF2I antibody (KVA01055). GTF2I expression in wild type (WT) and GTF2I shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with GTF2I antibody (KVA01055, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



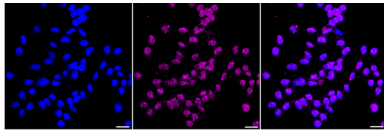
Western blotting analysis using GTF2I antibody (KVA01055). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with GTF2I antibody (KVA01055, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



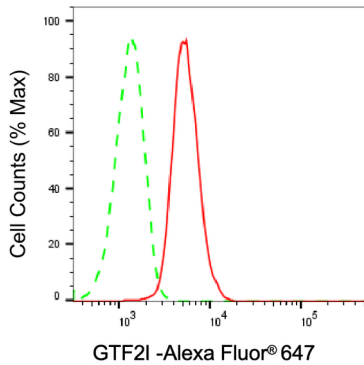
Immunohistochemistry was performed on paraffin-embedded mouse kidney using GTF2I antibody (KVA01055, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using GTF2I antibody (KVA01055, 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 HAP-1 cells with GTF2I antibody (KVA01055, 1:1,000). Nuclei were stained blue with DAPI;GTF2I was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Flow cytometric analysis of GTF2I expression in HAP-1 cells using GTF2I antibody (KVA01055, 1:2,000). Green, isotype control; red, GTF2I.