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GTF2I Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5017

Product Information

Application	IF, WB
Primary Accession	P78347
Other Accession	Q5U2Y1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112416
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	2969
Antigen Region	956-985
Other Names	GTF2I; BAP135; WBSCR6; General transcription factor II-I; Bruton tyrosine kinase-associated protein 135; SRF-Phox1-interacting protein; Williams-Beuren syndrome chromosomal region 6 protein
Dilution	IF~~1:25 WB~~1:1000
Target/Specificity	This GTF2I antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 956-985 amino acids from the C-terminal region of human GTF2I.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GTF2I Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GTF2I

Synonyms	BAP135, WBSCR6
Function	Interacts with the basal transcription machinery by coordinating the formation of a multiprotein complex at the C-FOS promoter, and linking specific signal responsive activator complexes. Promotes the formation of stable high-order complexes of SRF and PHOX1 and interacts cooperatively with PHOX1 to promote serum-inducible transcription of a reporter gene deriven by the C-FOS serum response element (SRE). Acts as a coregulator for USF1 by binding independently two promoter elements, a pyrimidine-rich initiator (Inr) and an upstream E-box. Required for the formation of functional ARID3A DNA- binding complexes and for activation of immunoglobulin heavy-chain transcription upon B-lymphocyte activation.
Cellular Location	Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00484, ECO:0000269|PubMed:10373551} Note=Colocalizes with BTK in the cytoplasm
Tissue Location	Ubiquitous. Isoform 1 is strongly expressed in fetal brain, weakly in adult brain, muscle, and lymphoblasts and is almost undetectable in other adult tissues, while the other isoforms are equally expressed in all adult tissues

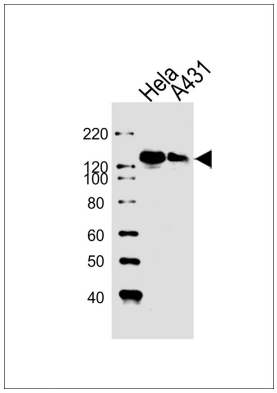
Background

GTF2I is a multifunctional phosphoprotein with roles in transcription and signal transduction. It is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at chromosome 7q11.23.

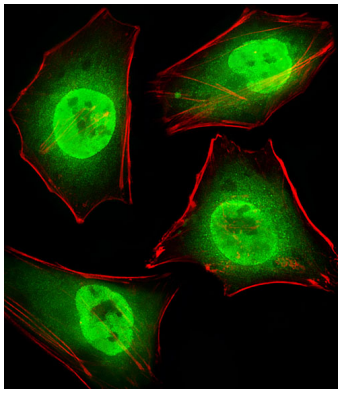
References

Roy,A.L.,et.al., EMBO J. 16 (23), 7091-7104 (1997)

Images



Western blot analysis of lysates from Hela,A431 cell line (from left to right),using GTF2I Antibody (C-term)(Cat. #AW5017). AW5017 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Fluorescent image of Hela cells stained with GTF2I Antibody (C-term)(Cat#AW5017). AW5017 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.