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GTF2I Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5491

Product Information

Application	WB
Primary Accession	P78347
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112416
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	2969
Antigen Region	971-1005
Other Names	General transcription factor II-I, GTFII-I, TFII-I, Bruton tyrosine kinase-associated protein 135, BAP-135, BTK-associated protein 135, SRF-Phox1-interacting protein, SPIN, Williams-Beuren syndrome chromosomal region 6 protein, GTF2I, BAP135, WBSCR6
Dilution	WB~~1:1000
Target/Specificity	This GTF2I antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 956-1005 amino acids from the C-terminal region of human GTF2I.
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

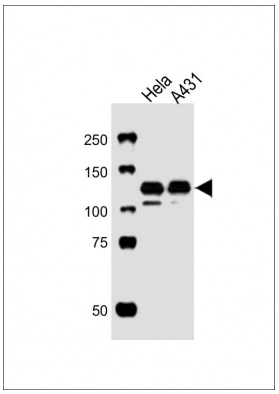
Background

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



All lanes : Anti-GTF2I Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: A431 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 112 kDa Blocking/Dilution buffer: 5% NFDM/TBST.