

KD-Validated Anti-GTF2I Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1545

Product Information

Application	WB
Primary Accession	P78347
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5950
Calculated MW	112416
Gene Name	GTF2I
Aliases	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-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
Immunogen	A synthesized peptide derived from human GTF2I

Additional Information

Gene ID	2969
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

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 driven 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

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