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GTF2I Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18119a

Specification

GTF2I Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P78347

GTF2I Antibody (N-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GTF2I Antibody (N-term) Blocking Peptide - 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

GTF2I Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GTF2I Antibody (N-term) Blocking Peptide - Images

GTF2I Antibody (N-term) Blocking Peptide - Background

This gene encodes a multifunctional phosphoprotein withroles in transcription and signal transduction. It is deleted inWilliams-Beuren syndrome, a multisystem developmental disordercaused by the deletion of contiguous genes at chromosome 7q11.23.Alternative splicing results in multiple transcript variants.Related pseudogenes have been identified on chromosomes 7, 13 and21.

GTF2I Antibody (N-term) Blocking Peptide - References

Antonell, A., et al. J. Med. Genet. 47(5):312-320(2010)Lazebnik, M.B., et al. J. Biol. Chem. 284(52):36234-36239(2009)Sacristan, C., et al. Eur. J. Immunol. 39(9):2584-2595(2009)Makeyev, A.V., et al. Gene 433 (1-2), 16-25 (2009) :Olsen, J.V., et al. Cell 127(3):635-648(2006)