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GTF2I Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant GTF2I.
Catalog # AT2290a

Product Information

Application	WB, IF, E
Primary Accession	P78347
Other Accession	BC004472
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2D6
Calculated MW	112416

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
Target/Specificity	GTF2I (AAH04472.1, 36 a.a. ~ 274 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GTF2I Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

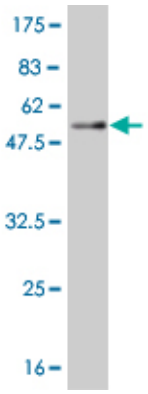
Background

This gene encodes 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. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 7, 13 and 21.

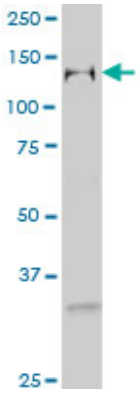
References

Partial 7q11.23 deletions further implicate GTF2I and GTF2IRD1 as the main genes responsible for the Williams-Beuren syndrome neurocognitive profile. Antonell A, et al. J Med Genet, 2010 May. PMID 19897463.Williams-Beuren syndrome-associated transcription factor TFII-I regulates osteogenic marker genes. Lazebnik MB, et al. J Biol Chem, 2009 Dec 25. PMID 19880526.Characterization of a novel interaction between transcription factor TFII-I and the inducible tyrosine kinase in T cells. Sacrist?n C, et al. Eur J Immunol, 2009 Sep. PMID 19701889.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Phase specific functions of the transcription factor TFII-I during cell cycle. Ashworth T, et al. Cell Cycle, 2009 Feb 15. PMID 19182516.

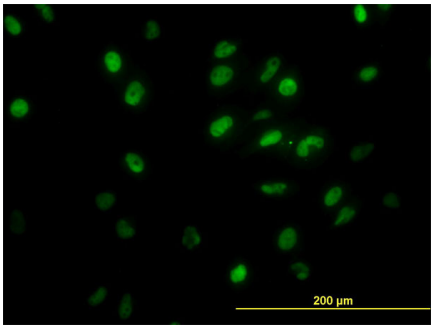
Images



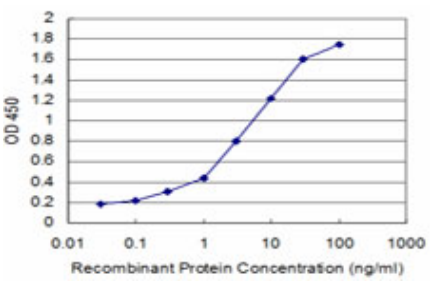
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (52.03 KDa) .



GTF2I monoclonal antibody (M02), clone 2D6 Western Blot analysis of GTF2I expression in Hela S3 NE ((Cat # AT2290a)



Immunofluorescence of monoclonal antibody to GTF2I on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged GTF2I is approximately 0.1ng/ml as a capture antibody.

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