abcam

Product datasheet

Anti-GTF2IRD2 antibody [PCRP-GTF2IRD2-1B4] ab277097

2 Images

Overview

Product name	Anti-GTF2IRD2 antibody [PCRP-GTF2IRD2-1B4]
Description	Mouse monoclonal [PCRP-GTF2IRD2-1B4] to GTF2IRD2
Host species	Mouse
Tested applications	**Suitable for:** Protein Array, Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein corresponding to Human GTF2IRD2. Database link: **Q86UP8**
Positive control	Flow cyt: HeLa cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99.9% PBS
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate
Clonality	Monoclonal
Clone number	PCRP-GTF2IRD2-1B4
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab277097 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

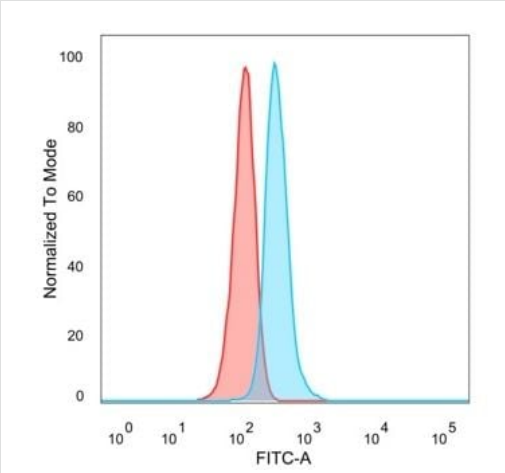
Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
Flow Cyt		Use 1-2µg for 10^6 cells.

Target

Relevance GTF2IRD2 N-terminal half contains a leucine zipper motif, followed by 2 helix-loop-helix motifs (I repeats) that share homology with the TFII-I family of transcription factors. The C-terminal half of GTF2IRD2A contains a CHARLIE8 transposable element-like sequence, including 3 transposase-related domains that may be functional, and a BED zinc finger DNA-binding motif. It is inferred to be a transcription factor based on the presence of GTF2I-like repeats (containing helix-loop-helix motifs), also found in other proteins such as GTF2IRD1 and GTF2I. GTF2IRD2 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. There are six different isoforms, generated by alternative splicing.

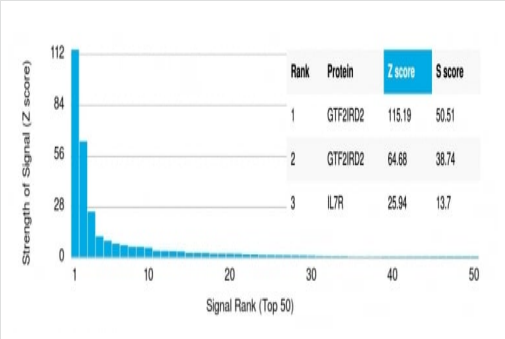
Cellular localization Nuclear

Images



Flow Cytometry - Anti-GTF2IRD2 antibody [PCRP-GTF2IRD2-1B4] (ab277097)

Flow cytometry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling GTF2IRD2 using ab277097 at 2 µg / 10^6 cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Protein Array - Anti-GTF2IRD2 antibody [PCRP-GTF2IRD2-1B4] (ab277097)

Analysis of Protein Array containing more than 19,000 full-length human proteins using ab277097.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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