

Product datasheet

Anti-TFII I antibody ab10464

2 References 1 Image

Overview

<b>Product name</b>	Anti-TFII I antibody
<b>Description</b>	Rabbit polyclonal to TFII I
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Immunogen was a synthetic peptide, which represented a portion of human general transcription factor II-I encoded within exons 27 and 28 (LocusLink ID 2969).
<b>Positive control</b>	Whole cell lysate from HEK293 cells treated with TFII-I siRNA.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antibodies were affinity purified using the peptide immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

**The Abpromise guarantee**

Our [Abpromise guarantee](#) covers the use of ab10464 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
WB		1/1000 - 1/10000. Detects a band of approximately 130 kDa (predicted molecular weight: 135 kDa).

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**Target****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.

**Tissue specificity**

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.

**Involvement in disease**

Note=GTF2I 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. Haploinsufficiency of GTF2I may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.

**Sequence similarities**

Belongs to the TFII-I family.  
Contains 6 GTF2I-like repeats.

**Post-translational modifications**

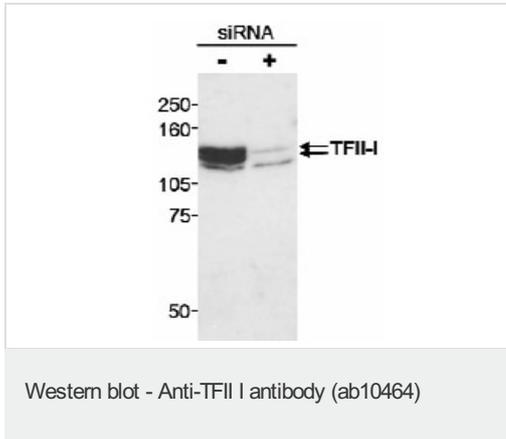
Transiently phosphorylated on tyrosine residues by BTK in response to B-cell receptor stimulation. Phosphorylation on Tyr-248 and Tyr-398, and perhaps, on Tyr-503 contributes to BTK-mediated transcriptional activation.  
Sumoylated.

**Cellular localization**

Cytoplasm. Nucleus. Colocalizes with BTK in the cytoplasm.

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**Images**



ab10464 detection of human TFII I by Western blot. *Samples:* Whole cell lysate (100 µg) from HEK293 cells treated with TFII-I siRNA (+) or untreated (-). *Antibody:* ab10464 used at 0.2 µg/ml. *Detection:* Chemiluminescence. ab10464 detection of human TFII I by Western blot. *Samples:* Whole cell lysate (100 µg) from HEK293 cells treated with TFII-I siRNA (+) or untreated (-). *Antibody:* ab10464 used at 0.2 µg/ml. *Detection:* Chemiluminescence.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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