

Product datasheet

Anti-TFII I antibody ab55201

[2 Images](#)

Overview

| | |
|----------------------------|--------------------------------------------------------------------------------------|
| Product name | Anti-TFII I antibody |
| Description | Mouse monoclonal to TFII I |
| Host species | Mouse |
| Tested applications | Suitable for: WB, ICC/IF |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant full length protein, corresponding to amino acids 36-275 of Human TFII I |

Properties

| | |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: None PBS, pH 7.2 |
| Purity | Protein G purified |
| Clonality | Monoclonal |
| Isotype | IgG2a |
| Light chain type | kappa |

Applications

Our [Abpromise guarantee](#) covers the use of **ab55201** 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 | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 112 kDa. |
| ICC/IF | | Use a concentration of 10 µg/ml. |

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 derived 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 TFIIH family.
Contains 6 GTF2I-like repeats.

Post-translational modifications

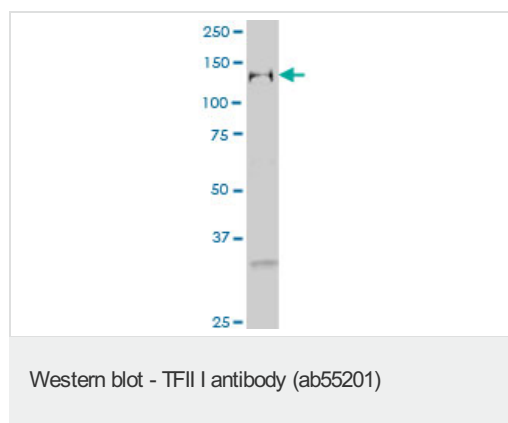
Transiently phosphorylated on tyrosine residues by BTK in response to B-cell receptor stimulation. Phosphorylation on Tyr-248 and Tyr-398, and perhaps, on Tyr-503 contributes to BTK-mediated transcriptional activation.

Sumoylated.

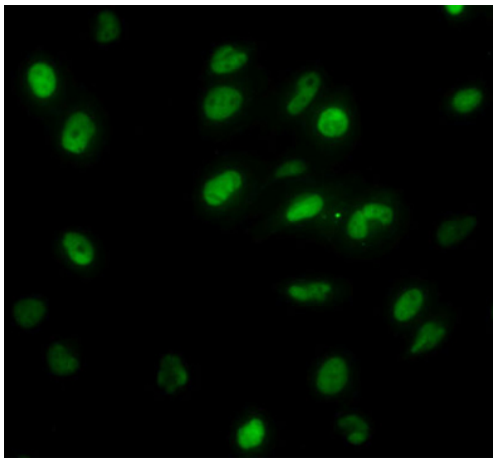
Cellular localization

Cytoplasm. Nucleus. Colocalizes with BTK in the cytoplasm.

Images



TFII I antibody (ab55201) at 1ug/lane + HeLa cell lysate at 25ug/lane.



ab55201 at 10 ug/ml staining TFII in human cells by Immunocytochemistry/ Immunofluorescence.

Immunocytochemistry/ Immunofluorescence-TFII antibody(ab55201)

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