

Datasheet for ABIN3029099
anti-TBP antibody (AA 210-239)

6 Images

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Overview

Quantity:	0.4 mL
Target:	TBP
Binding Specificity:	AA 210-239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 210-239 from the human protein was used as the immunogen for this TBP antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Chicken, Mouse, Primate, Xenopus, Zebrafish
Purification:	Purified

Target Details

Target:	TBP
Alternative Name:	TBP (TBP Products)

Target Details

Background: Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. A distinctive feature of TBP is a long string of glutamines in the N-terminal. This region of the protein modulates the DNA binding activity of the C terminus, and modulation of DNA binding affects the rate of transcription complex formation and initiation of transcription. Mutations that expand the number of CAG repeats encoding this polyglutamine tract, and thus increase the length of the polyglutamine string, are associated with spinocerebellar ataxia 17, a neurodegenerative disorder classified as a polyglutamine disease.

UniProt: [P20226](#)

Pathways: [WNT Signaling](#)

Application Details

Application Notes: Titration of the TBP antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

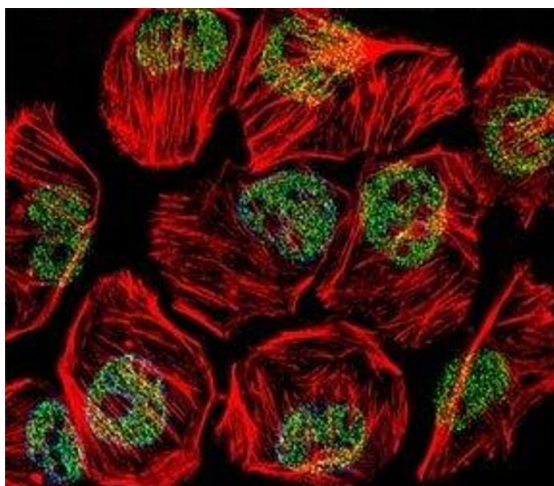
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

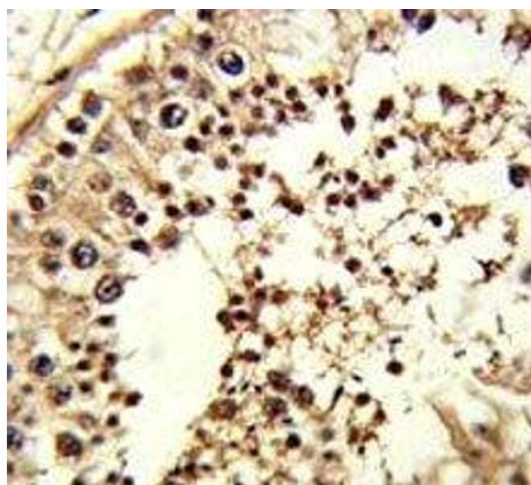
Storage: -20 °C

Storage Comment: Aliquot the TBP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



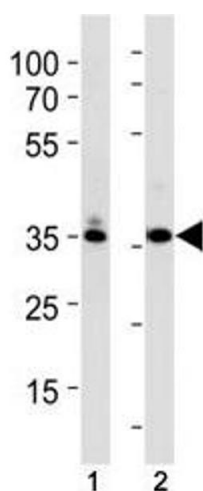
Immunofluorescence

Image 1. Fluorescent confocal image of U251 cell stained with TBP antibody at 1:25. TBP immunoreactivity is localized to the nucleus.



Immunohistochemistry

Image 2. IHC analysis of FFPE human testis tissue stained with TBP antibody



Western Blotting

Image 3. TBP antibody western blot analysis in (1) K562 and (2) U251 lysate. Observed molecular weight: 35-43 kDa.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3029099.