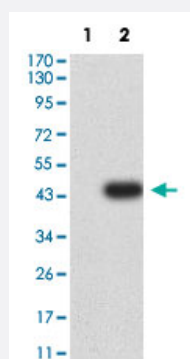


TBP monoclonal antibody, clone 7G11C8

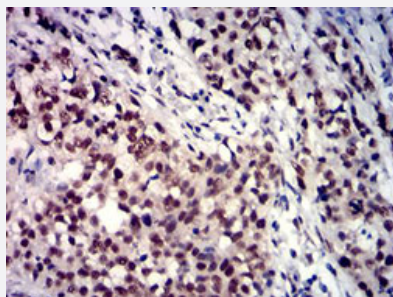
Catalog # MAB21506 Size 100 ug

Applications



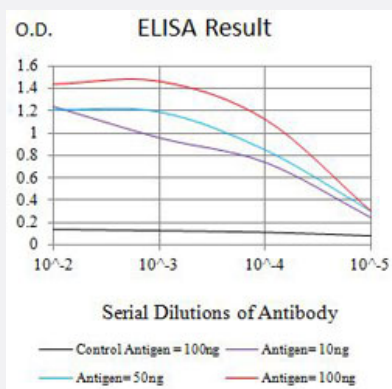
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: TBP-hlgGfC transfected HEK293 cell lysates with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).



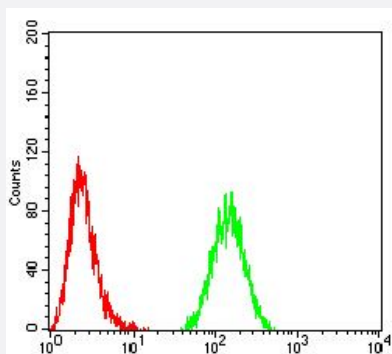
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).



Flow Cytometry

Flow cytometric analysis of HeLa cells with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human TBP.
Immunogen	Recombinant protein corresponding to amino acids 1-144 of human TBP.
Host	Mouse
Theoretical MW (kDa)	37.7
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry (1:200-1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: TBP-hlgGfc transfected HEK293 cell lysates with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).

- Immunocytochemistry

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506).

- Flow Cytometry

Flow cytometric analysis of HeLa cells with TBP monoclonal antibody, clone 7G11C8 (Cat # MAB21506) (Green). Red: Negative Control.

Gene Info — TBP

Entrez GeneID [6908](#)

Protein Accession# [P20226](#)

Gene Name TBP

Gene Alias GTF2D, GTF2D1, MGC117320, MGC126054, MGC126055, SCA17, TFIID

Gene Description TATA box binding protein

Omim ID [168600](#) [600075](#) [607136](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. This gene encodes TBP, the TATA-binding protein. 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. [provided by RefSeq]

Other Designations

OTTHUMP00000017703

Pathway

- [Basal transcription factors](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Huntington disease](#)
- [Multiple System Atrophy](#)
- [Myoclonic Cerebellar Dyssynergia](#)

- [Neurodegenerative Diseases](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Restless Legs Syndrome](#)
- [Schizophrenia](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)