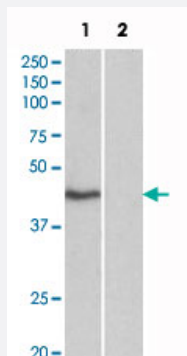


TBP (isoform1) polyclonal antibody

Catalog # PAB24603 Size 100 ug

Applications



Western Blot (Cell lysate)

TBP (isoform1) polyclonal antibody (Cat # PAB24603) (0.3 ug/mL) staining of HeLa nuclear (1) and cytosolic (2) lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TBP (isoform1).
Immunogen	A synthetic peptide corresponding to N-terminus of human TBP (isoform1).
Sequence	DQNNSLPPYAQC
Host	Goat
Theoretical MW (kDa)	40
Reactivity	Human
Specificity	This antibody is expected to recognize reported isoform 1(NP_003185.1) only.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:64000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	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 (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TBP

Entrez GeneID	6908
Protein Accession#	NP_003185.1
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](#)