



Mouse Monoclonal Antibody **TATA Box Binding Protein** conjugated to Sepharose Beads

CatalogNo: **ANT8130-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

TATA Box Binding Protein (ANT0006R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 38kD (Calculated)
 - IgG, Kappa
- 38kD (Observed)

Isotype

Recommended Dilution Ratios

IP

Basic Information

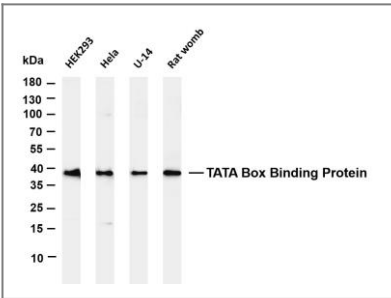
Clonality	Monoclonal
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Clone Number	ANT0006R
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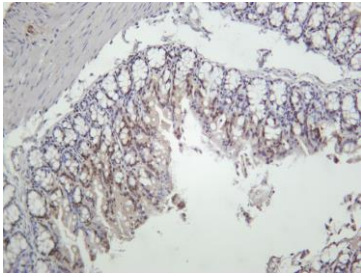
Endogenous

Gene name	TBP		
Protein Name	TATA-box-binding protein (TATA sequence-binding protein) (TATA-binding factor) (TATA-box factor) (Transcription initiation factor TFIID TBP subunit)		
	Organism	Gene ID	UniProt ID
	Human	6908 ;	P20226 ;
	Mouse		P29037 ;
Cellular Localization	Nucleus		
Tissue specificity	Widely expressed, with levels highest in the testis and ovary.		
Function	<p>Disease:Defects in TBP are the cause of spinocerebellar ataxia type 17 (SCA17) [MIM:607136]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA17 is an autosomal dominant cerebellar ataxia (ADCA) characterized by widespread cerebral and cerebellar atrophy, dementia and extrapyramidal signs. The molecular defect in SCA17 is the expansion of a CAG repeat in the coding region of TBP. Longer expansions result in earlier onset and more severe clinical manifestations of the disease.,Function:General transcription factor that functions at the core of the DNA-binding multiprotein factor TFIID. Binding of TFIID to the TATA box is the initial transcriptional step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II.,polymorphism:The poly-Gln region of TBP is highly polymorphic (25 to 42 repeats) in normal individuals and is expanded to about 47-63 repeats in spinocerebellar ataxia 17 (SCA17) patients.,similarity:Belongs to the TBP family.,subunit:Belongs to the TFIID complex together with the TBP-associated factors (TAFs). Component of the transcription factor SL1/TIFIB complex, composed of TBP and at least TAF1A, TAF1B TAF1C, and TAF3. Binds</p> <p>DNA as monomer. Interacts with TAFs, TFIIB, NCOA6, DRAP1, DR1 and ELF3. Interacts with SPIB, SNAPC1, SNAPC2 and SNAPC4. Interacts with HIV-1 Tat. Interacts with UTF1 which acts as a coactivator of ATF2 transcriptional activity. Interacts with GPBP1 (By similarity). Interacts with BRF2.,tissue specificity:Widely expressed, with levels highest in the testis and ovary.,</p>		

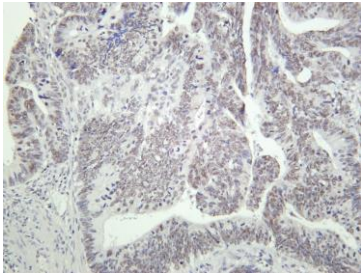
Validation Data



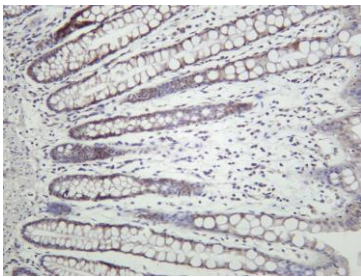
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TATA Box Binding Protein (ANT0006R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: HeLa Lane 3: U-14 Lane 4: Rat womb Predicted band size: 38kDa Observed band size: 38kDa



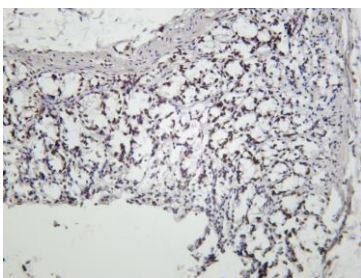
Mouse colon was stained with Anti-TATA Box Binding Protein (ANT0006R) rabbit antibody



Human colon carcinoma was stained with Anti-TATA Box Binding Protein (ANT0006R) rabbit antibody



Human colon was stained with Anti-TATA Box Binding Protein (ANT0006R) rabbit antibody



Rat colon was stained with Anti-TATA Box Binding Protein (ANT0006R) rabbit antibody

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