Datasheet for ABIN7193395

anti-TBP antibody (AA 1-144)

8 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	TBP
Binding Specificity:	AA 1-144
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human TBP (AA: 1-144) expressed in E. coli.
Clone:	7G11C8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	TBP
Alternative Name:	TBP (TBP Products)
Background:	Description: 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

Target Details

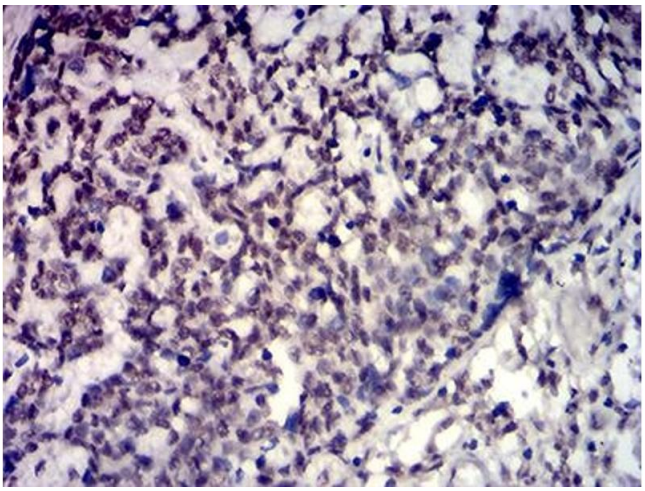
	assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, 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-terminus. 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. The number of CAG repeats encoding the polyglutamine tract is usually 25-42, and expansion of the number of repeats to 45-66 increases the length of the polyglutamine string and is associated with spinocerebellar ataxia 17, a neurodegenerative disorder classified as a polyglutamine disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2016] Aliases: HDL4, GTF2D, SCA17, TFIID, GTF2D1
Molecular Weight:	37.7 kDa
Gene ID:	6908
Pathways:	WNT Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

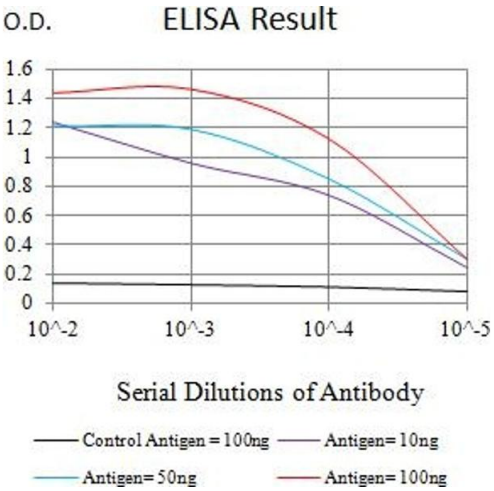
Handling

Buffer:	Purified antibody in PBS with 0.05 % 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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



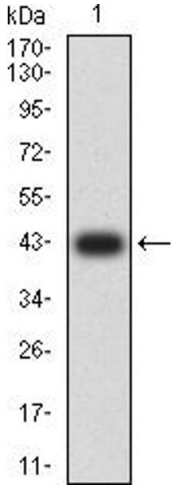
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using TBP mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using TBP mAb against human TBP (AA: 1-144) recombinant protein. (Expected MW is 41.9 kDa)

Please check the product details page for more images. Overall 8 images are available for ABIN7193395.