

## Product overview

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|---------------------|---|
| product name        | Anti TBP mouse monoclonal antibody  |
| catalog No.         | ATMA10064Mo   |
| Category            | Primary antibody  |
| Host                | Mouse   |
| Species specificity | Human, Predict react with Rat, Mouse  |
| Tested applications | WB  |
| Clonality           | Monoclonal  |
| Clone No.           | 53A2  |
| Conjugation         | Unconjugated  |
| Immunogen           | Synthesis peptide from N-terminal.  |
| Alternative Names   | TATA-box-binding protein, TATA sequence-binding protein, TATA-binding factor, TATA-box factor, Transcription initiation factor TFIID TBP subunit. |
| Uniprot ID          | P20226  |

## Product performance

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|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | Supplied as solution form in PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.   |
| Storage       | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt. |
| Concentration | 0.5mg/ml   |
| Isotype       | IgG1   |
| MW            | 33-43kDa   |
| Purity        | Protein G purification   |

## Dilution range

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WB: 1:1000-1:4000

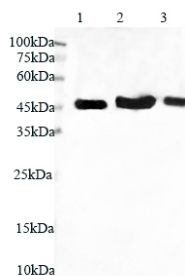
## Product experiment picture

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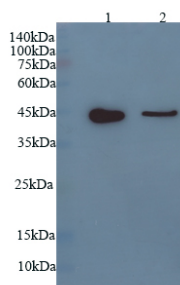
Catalog Number: ATMA10064Mo

Anti TBP mouse monoclonal antibody



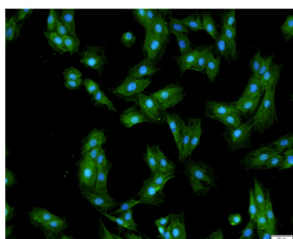
Lysate: 20 µg/ml  
Lane 1: HeLa cell line  
Lane 2: MCF-7 cell line  
Lane 3: SKOV-3 cell line  
  
Predicted band size: 45kDa  
Observed band size: 45kDa

Various lysates were subjected to SDS PAGE followed by western blot with TATA binding protein antibody at dilution of 1:2000.



Lysate: 20 µg/ml  
Lane 1: K562 cell line  
Lane 2: HEK293 cell line  
  
Predicted band size: 45kDa  
Observed band size: 45kDa

Various lysates were subjected to SDS PAGE followed by western blot with TATA binding protein antibody at dilution of 1:2000.



Immunofluorescent analysis of H929 cells using  $\alpha$  TATA binding protein antibody at dilution of 1:100 and Alexa Fluor-488 conjugated Affinipure Goat anti mouse IgG(H+L).

## Product background

The TATA binding protein (TBP) is a transcription factor that binds specifically to a DNA sequence TATA box. This DNA sequence is found about 25-30 base pairs upstream of the transcription start site in some eukaryotic gene promoters. TBP, along with a variety of TBP-associated factors, make up the TFIID, a general transcription factor that in turn makes up part of the RNA polymerase II preinitiation complex. As one of the few proteins in the preinitiation complex that binds DNA in a sequence-specific manner, it helps position RNA polymerase II over the transcription start site of the gene.

