

Product Datasheet

TATA binding protein TBP Antibody (C.15200002) - BSA Free NBP2-59208

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-59208

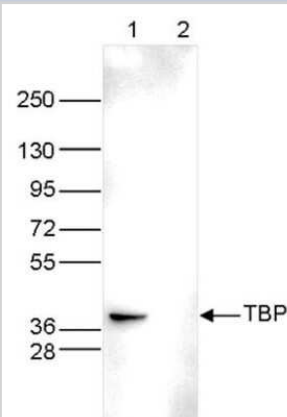
TATA binding protein TBP Antibody (C.152000002) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C.152000002
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	ammonium sulphate purified
Buffer	PBS
Product Description	
Description	Monoclonal antibody raised in mouse against the amino-terminal domain of human TBP (TATA box binding protein).
Host	Mouse
Gene ID	6908
Gene Symbol	TBP
Species	Human, Mouse
Immunogen	The exact immunogen is proprietary information.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, Chromatin Immunoprecipitation (ChIP) 4-5 ug/IP, Chromatin Immunoprecipitation Sequencing 4 - 5 ug/IP, Knockdown Validated
Application Notes	Optimal antibody amount per IP should be determined by the end-user. We recommend testing 1-5 uL per IP.

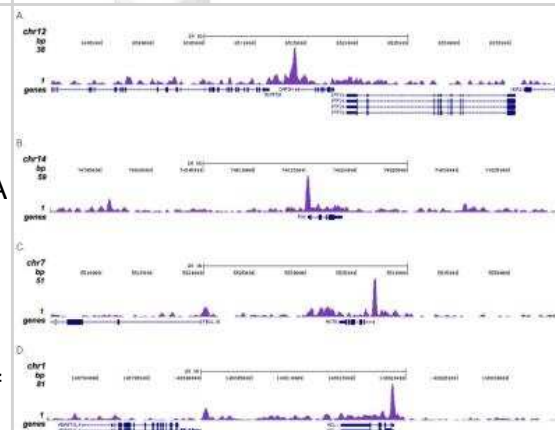


Images

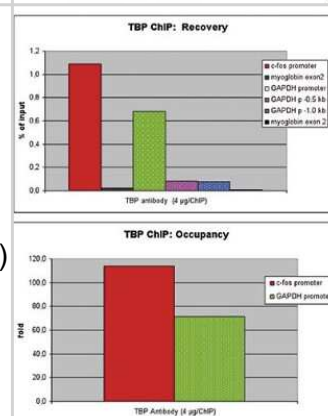
Western Blot: TATA binding protein TBP Antibody (C.15200002) [NBP2-59208] - Whole cell extracts (40 ug) from HeLa cells transfected with TBP siRNA (lane 2) and from an untransfected control (lane 1) were analysed by Western blot using the antibody against TBP diluted 1:500 in TBSTween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (kDa) is shown on the left.



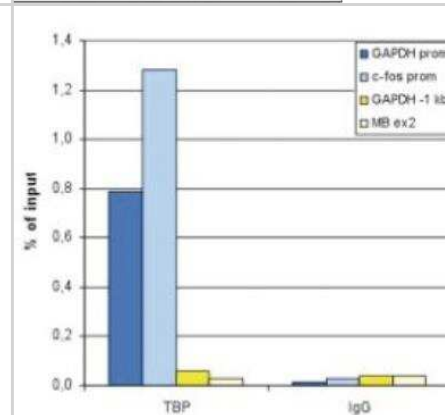
Chromatin Immunoprecipitation Sequencing: TATA binding protein TBP Antibody (C.15200002) [NBP2-59208] - IP'd DNA was analyzed by QPCR with optimized PCR primer pairs for the promoters of the active GAPDH and c-fos genes, used as positive control targets, and for a region 1 kb upstream of the GAPDH promoter and the coding region of the inactive MB gene, used as negative control targets (A). The IP'd DNA was analyzed with an Illumina Genome Analyzer. Library preparation, cluster generation and sequencing were performed according to the manufacturer's instructions. The 36 bp tags were aligned to the human genome using the ELAND algorithm. Figure shows the peak distribution in 50 kb regions surrounding the GAPDH, c-fos, ACTB and MCL1 genes (B, C, D and E, respectively). These results clearly show a localisation of TBP at the promoters of actively transcribed genes.



Chromatin Immunoprecipitation: TATA binding protein TBP Antibody (C.15200002) [NBP2-59208] - ChIP results obtained with the antibody against TBP. ChIP assays were performed using U2OS cells, the antibody were used per ChIP experiment. QPCR was performed with primers for the promoter of the c-fos and GAPDH genes, a region 0.5 and 1 kb upstream of the GAPDH promoter, respectively, and for exon 2 of the myoglobin gene as a negative control. Figure shows the recovery (the relative amount of immunoprecipitated DNA compared to input DNA) and the occupancy (ratio +/- control target). These results demonstrate the occupancy of both promoters by TBP.



Chromatin Immunoprecipitation: TATA binding protein TBP Antibody (C.15200002) [NBP2-59208] - ChIP was performed with 5 ug antibody on sheared chromatin from 1 million HeLaS3 cells using a Histone ChIP-seq kit.





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Products Related to NBP2-59208

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00006908-Q01-10ug	Recombinant Human TATA binding protein TBP GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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