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Datasheet for 100-401-V86

TIP5 Antibody

Overview

Description:	Anti-TIP5 (RABBIT) Antibody - 100-401-V86
Item No.:	100-401-V86
Size:	100 µL
Applications:	ChIP, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	TIP 5 is the large subunit of the nucleolar remodeling complex NoRC. NoRC causes the repression of ribosomal gene transcription. It was demonstrated that histone deacetylation is involved in this repression and that TIP5 is associated with the histone deacetylase HDAC1 and mediates the deacetylation of histones in the vicinity of the rDNA promoter. The interaction of TIP5 and HDAC1, which is necessary for transcriptional repression, is established by the C-terminal PHD finger and bromodomain. Anti-TIP5 Antibody is ideal for research in Gene Expression.
Synonyms:	Bromodomain adjacent to zinc finger domain protein 2A, Transcription termination factor I-interacting protein 5, TTF-I-interacting protein 5, hWALp3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	BAZ2A
Reactivity:	Human, Mouse
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-TIP5 Antibody was produced in rabbits by repeated immunizations with a recombinant protein of human TIP5.

Purity/Specificity:	Anti-TIP5 Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Cross reactivity with TIP5 from other species not tested.
Relevant Links:	• UniProtKB - Q9UIF9 • GeneID - 11176 • NCBI - NP_038477.2

Application Details

Tested Applications:	ChIP, WB
Application Note:	Anti-TIP5 Antibody has been tested by ChIP and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 250 kDa in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	5 µl/ChIP
WB:	1:1,000

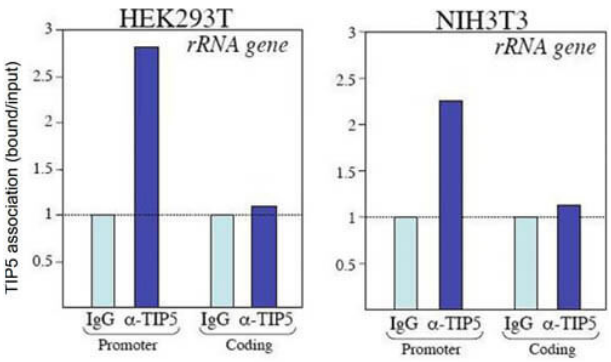
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	Neat
Buffer:	None
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	None

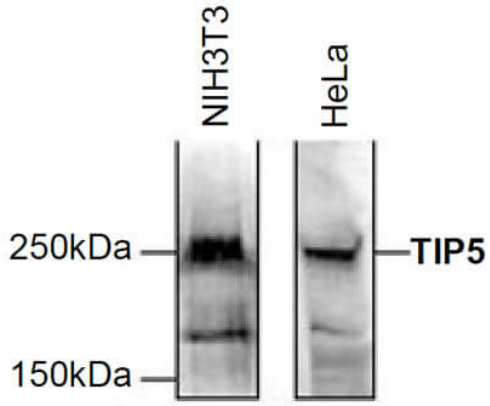
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ChIP
Chromatin Immunoprecipitation results of Rabbit Anti-TIP5 Antibody. Chromatin from HEK293T and NIH3T3 cells were formaldehyde cross-linked and sheared to yield fragments with an average length of 200 to 400 bp. ChIP was performed overnight at 4°C with 100µg sheared chromatin and either 5µl of the TIP5 antibody or 5µl of IgG which was used as negative IP control. The IP'd DNA was analyzed by qPCR with primer sets for the promoter and the coding region of the 28s ribosomal RNA gene. This figure shows the recovery by the TIP5 antibody and by IgG (set to 1), normalized to the input DNA. These results show that, both in HEK293T and in NIH3T3 cells, TIP5 is associated with the promoter, but not with the coding region of the 28srRNA gene.



Western Blot
Western Blot results of Rabbit anti-TIP5 antibody. Lane 1: NIH3T3 nuclear extracts cells. Lane 2: HeLa nuclear extracts cells. Load: 150 µg per lane. Primary antibody: TIP5 antibody at 1:1000 for overnight at 4°C. Secondary antibody: goat anti-rabbit HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO/TBS-Tween overnight at 4°C.

Disclaimer

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