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Product datasheet for TA347082

BAZ2A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ChIP (5 µl/ChIP); Western blotting (1:1,000)
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TIP-5 antibody: TIP5 (Transcription termination factor I-interacting protein 5), using the recombinant protein.
Concentration:	lot specific
Purification:	Whole antiserum from rabbit containing 0.05% azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	bromodomain adjacent to zinc finger domain 2A
Database Link:	NP_038477 Entrez Gene 116848 MouseEntrez Gene 11176 Human Q9UIF9
Background:	TIP 5 (UniProt/Swiss-Prot entry Q9UIF9) 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.
Synonyms:	TIP5; WALp3
Protein Families:	Druggable Genome

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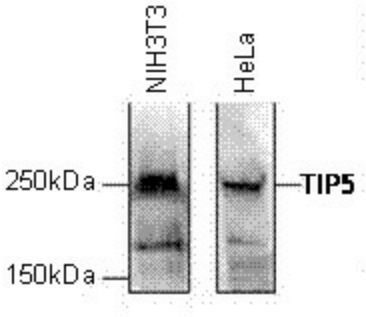
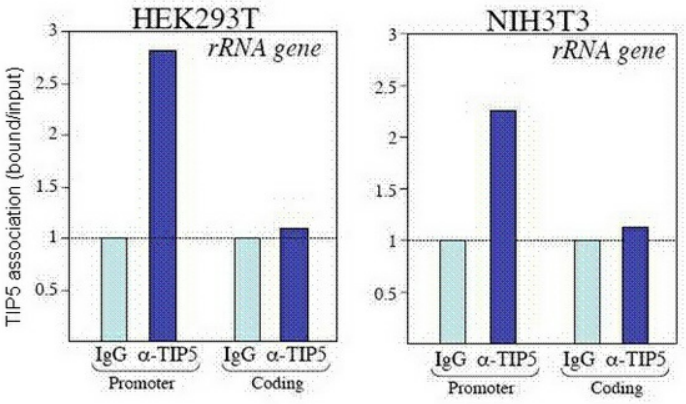
Product images:



WB was performed on 150 ug nuclear extract from either NIH3T3 or HeLa cells with the antibody against TIP5, diluted 1:1,000 in PBS containing 5% milk powder and 0.1% Tween-20. The molecular weight marker is shown on the left, the location of the protein of interest is indicated on the right.



Chromatin from HEK293T and NIH3T3 cells was formaldehyde cross-linked and sheared toan average length of 200-400 bp. ChIP was performed overnight at 4C with 100 ug sheared chromatin and 5ul of anti-TIP5 or IgG as negative control. The IP'd DNA was analysed with qPCR primers for the promoter and the coding region of the 28s ribosomal RNA gene. Image shows the recovery by the TIP5 antibody and by IgG: both in HEK293T and in NIH3T3 cells, TIP5 is associated with the promoter, but not with the coding region of the 28srRNA gene.