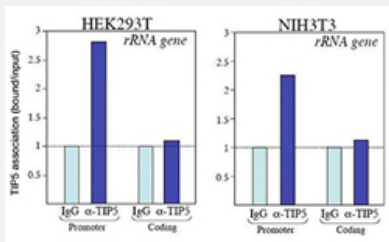


BAZ2A polyclonal antibody

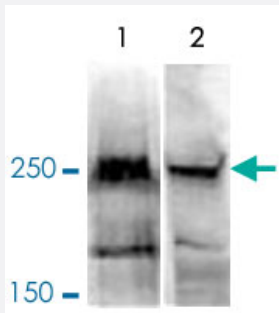
Catalog # PAB31284 Size 100 uL

Applications



ChIP

ChIP assays were performed using chromatin from HEK293T and NIH3T3 cells. 100 ug sheared chromatin and either 5 ul of antibody or 5 ul IgG which was used as negative IP control. The figure shows the recovery by the antibody and by IgG, normalised to the input DNA. These results show that, both in HEK293T and in NIH3T3 cells, BAZ2A is associated with the promoter, but not with the coding region of the 28srRNA gene.



Western Blot

Western Blot analysis of (1) 150 ug nuclear extract of NIH3T3 cells, and (2) 150 ug nuclear extract of HeLa cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant BAZ2A.
Immunogen	Recombinant protein corresponding to human BAZ2A.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Whole antiserum

Recommend Usage	Western Blot (1:1000) ChIP (5 ul/CHIP)) The optimal working dilution should be determined by the end user.
Storage Buffer	In Whole antiserum (0.05% sodium azide).
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP

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- Western Blot

Western Blot analysis of (1) 150 ug nuclear extract of NIH3T3 cells, and (2) 150 ug nuclear extract of HeLa cells.

Gene Info — BAZ2A

Entrez GeneID	11176
Protein Accession#	Q9UIF9
Gene Name	BAZ2A
Gene Alias	DKFZp781B109, FLJ13768, FLJ13780, FLJ45876, KIAA0314, TIP5, WALp3
Gene Description	bromodomain adjacent to zinc finger domain, 2A
Omim ID	605682
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	TTF-I interacting peptide 5

Publication Reference

- [ING1 regulates rRNA levels by altering nucleolar chromatin structure and mTOR localization.](#)

Rajarajacholan U.K. et al.

Nucleic Acids Research 2017 Feb; 45(4):1776.

Application: ChIP, WB-Tr, Human, HEK 293, HeLa cells

- [BAZ2A \(TIP5\) is involved in epigenetic alterations in prostate cancer and its overexpression predicts disease recurrence.](#)

Gu L, Frommel SC, Oakes CC, Simon R, Grupp K, Gerig CY, Bär D, Robinson MD, Baer C, Weiss M, Gu Z, Schapira M, Kuner R, Sülthmann H, Provenzano M, Yaspo ML, Brors B, Korbel J, Schlomm T, Sauter G, Eils R, Plass C, Santoro R.

Nature Genetics 2015 Jan; 47(1):22.

Application: IF, IHC-P, WB-Tr, Human, Mouse, Human prostate cancer, Human tissue microarray, NIH/3T3, PC-3, RWPE1 cells

- [lncRNA maturation to initiate heterochromatin formation in the nucleolus is required for exit from pluripotency in ESCs.](#)

Savic N, Bar D, Leone S, Frommel SC, Weber FA, Vollenweider E, Ferrari E, Ziegler U, Kaech A, Shakhova O, Cinelli P, Santoro R.

Cell Stem Cell 2014 Dec; 15(6):720.

Application: IF, WB, Human, Mouse, MEFs, Embryonic stem cells

- [Interaction of nucleolin with ribosomal RNA genes and its role in RNA polymerase I transcription.](#)

Cong R, Das S, Ugrinova I, Kumar S, Mongelard F, Wong J, Bouvet P.

Nucleic Acids Research 2012 Oct; 40(19):9441.

Application: ChIP, Human, HeLa cells

- [The NoRC complex mediates the heterochromatin formation and stability of silent rRNA genes and centromeric repeats.](#)

Guettg C, Lienemann P, Sirri V, Grummt I, Hernandez-Verdun D, Hottiger MO, Fussenegger M, Santoro R.

The EMBO Journal 2010 Jul; 29(13):2135.

Application: WB-Tr, Mouse, NIH/3T3 cells

- [Chromatin remodeling by imitator switch \(ISWI\) class ATP-dependent remodelers is stimulated by histone variant H2A.Z.](#)

Goldman JA, Garlick JD, Kingston RE.

The Journal of Biological Chemistry 2010 Feb; 285(7):4645.

Application: WB-Ce, Human, HeLa cells

- [Epigenetic engineering of ribosomal RNA genes enhances protein production.](#)

Santoro R, Lienemann P, Fussenegger M.

PLoS One 2009 Aug; 4(8):e6653.

Application: WB-Tr, Human, Mouse, HEK 293T, NIH/3T3 cells