

Product Datasheet

BPTF/FALZ Antibody NB100-41418

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-41418**BPTF/FALZ Antibody****Product Information**

Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description

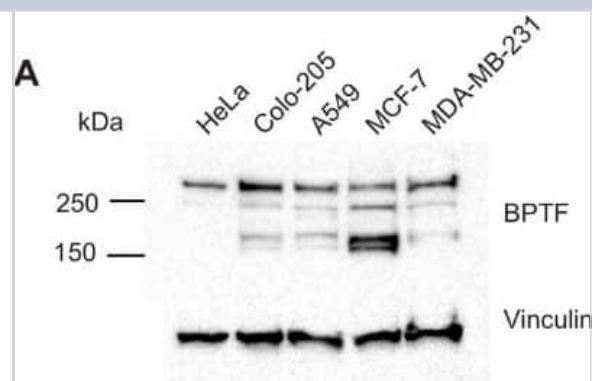
Host	Rabbit
Gene ID	2186
Gene Symbol	BPTF
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1350 and 1400 of human Fetal Alzheimer Antigen (Bromodomain and PHD Domain Transcription Factor) using the numbering given in entry NP_872579.2 (GeneID 2186).

Product Application Details

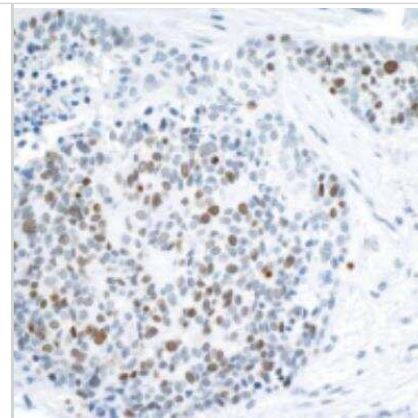
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200- 1:1000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.

Images

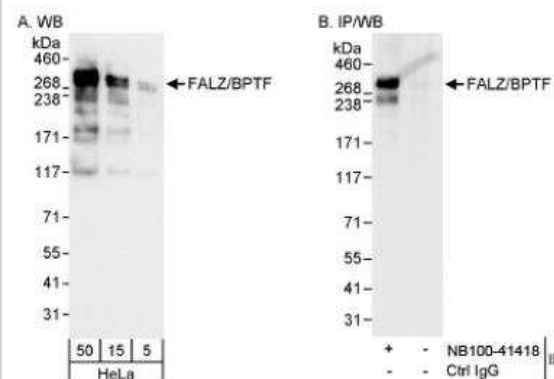
Western Blot: BPTF/FALZ Antibody [NB100-41418] - Reactivity of BPTF/FALZ antibodies with lysates from human cancer cells. Cell line-specific patterns were observed, with bands of the same mobility being detected across lines and detected with independent antibodies. The findings suggest the occurrence of multiple BPTF/FALZ-related protein species in human cancer cells. A representative western blot is shown. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31498079/>) licensed under a CC-BY license.



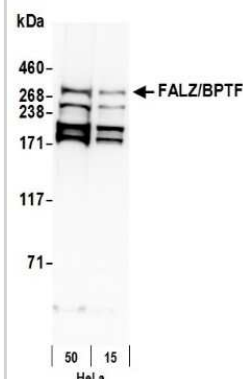
Immunohistochemistry-Paraffin: BPTF/FALZ Antibody [NB100-41418] - Section of human lung carcinoma. Antibody: Affinity purified rabbit antiFALZ/BPTF used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



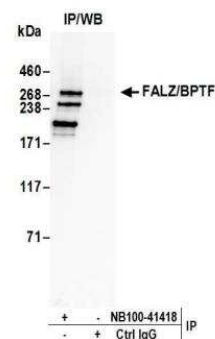
Western Blot: BPTF/FALZ Antibody [NB100-41418] - Whole cell lysate (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. NB100-41418 used for WB at 0.04 mcg/ml (A) and 0.1 mcg/ml (B) and used for IP at 3 mcg/mg lysate (B).



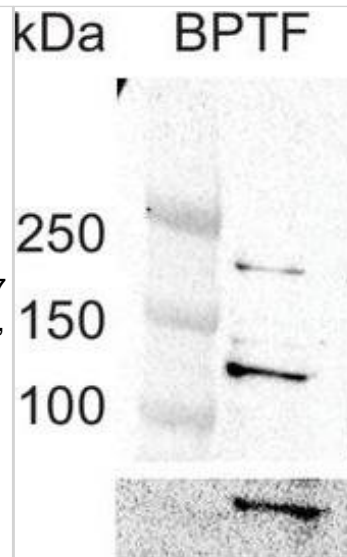
Western Blot: BPTF/FALZ Antibody [NB100-41418] - Detection of Human FALZ/BPTF by Western Blot. Samples: Whole cell lysate (15 and 50 ug) from HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FALZ/BPTF antibody NB100-41418 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



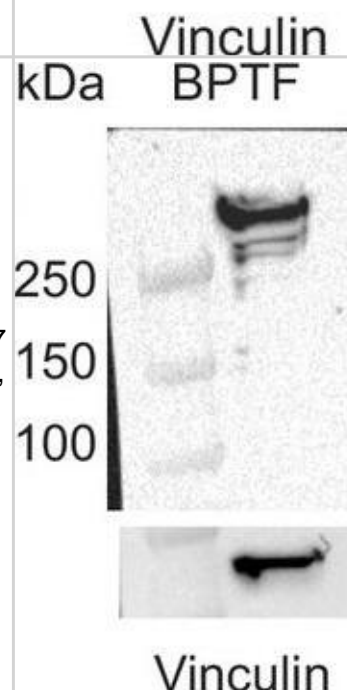
Immunoprecipitation: BPTF/FALZ Antibody [NB100-41418] - Detection of human FALZ/BPTF by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FALZ/BPTF antibody NB100-41418 used for IP at 6 ug per reaction. For blotting immunoprecipitated FALZ/BPTF, NB100-41418 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: BPTF/FALZ Antibody [NB100-41418] - Identification of alternative BPTF species in human cancer cells.(A) Reactivity of anti-BPTF antibodies with lysates from human cancer cells. Cell line-specific patterns were observed, with bands of the same mobility being detected across lines & detected with independent antibodies. The findings suggest the occurrence of multiple BPTF-related protein species in human cancer cells. A representative western blot is shown. (B) Gel bands selected for BPTF Mass Spectrometry identification according to the localization of the BPTF signal detected by western blotting in MCF-7 cells. (Left, NP-40 lysis buffer, gel bands A1 & A2; Right, Laemmli buffer, B1 & B2). The detection of low molecular weight species upon direct cell lysis in Laemmli buffer strongly supports the notion that the findings do not result from artifactual proteolysis. (C) Sequence coverage of BPTF protein. Peptides identified by LC-MS/MS are highlighted in color. (D) BPTF peptide intensity (arbitrary units) calculated by MaxQuant in the gel bands A1, A2/B1, B2. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31498079>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: BPTF/FALZ Antibody [NB100-41418] - Identification of alternative BPTF species in human cancer cells.(A) Reactivity of anti-BPTF antibodies with lysates from human cancer cells. Cell line-specific patterns were observed, with bands of the same mobility being detected across lines & detected with independent antibodies. The findings suggest the occurrence of multiple BPTF-related protein species in human cancer cells. A representative western blot is shown. (B) Gel bands selected for BPTF Mass Spectrometry identification according to the localization of the BPTF signal detected by western blotting in MCF-7 cells. (Left, NP-40 lysis buffer, gel bands A1 & A2; Right, Laemmli buffer, B1 & B2). The detection of low molecular weight species upon direct cell lysis in Laemmli buffer strongly supports the notion that the findings do not result from artifactual proteolysis. (C) Sequence coverage of BPTF protein. Peptides identified by LC-MS/MS are highlighted in color. (D) BPTF peptide intensity (arbitrary units) calculated by MaxQuant in the gel bands A1, A2/B1, B2. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31498079>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

D'Alesio C, Punzi S, Cicalese A et al. RNAi screens identify CHD4 as an essential gene in breast cancer growth Oncotarget 2016-12-06 [PMID: 27779108] (Western Blot, Block/Neutralize)

Oppikofer M, Bai T, et al. Expansion of the ISWI chromatin remodeler family with new active complexes. EMBO Rep 2017-10-01 [PMID: 28801535] (WB, Human)

Xu W, Long L, Zhao Y et al. Evolution of Yin and Yang isoforms of a chromatin remodeling subunit precedes the creation of two genes Elife 2019-09-09 [PMID: 31498079] (WB, Human)

Goldman JA, Garlick JD, Kingston RE. Chromatin remodeling by imitation switch (ISWI) class ATP-dependent remodelers is stimulated by histone variant H2A.Z. J Biol Chem 2010-02-12 [PMID: 19940112] (Human)



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Products Related to NB100-41418

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-57567PEP	BPTF/FALZ Recombinant Protein Antigen

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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