

**HINFP Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12622c**

**Specification**

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**HINFP Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9BOA5</a>
Other Accession	<a href="#">NP_945322.1</a> , <a href="#">NP_056332.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	317-346

**HINFP Antibody (Center) - Additional Information**

**Gene ID** 25988

**Other Names**

Histone H4 transcription factor, Histone nuclear factor P, HiNF-P, MBD2-interacting zinc finger protein, Methyl-CpG-binding protein 2-interacting zinc finger protein, HINFP, MIZF, ZNF743

**Target/Specificity**

This HINFP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-346 amino acids from the Central region of human HINFP.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HINFP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**HINFP Antibody (Center) - Protein Information**

**Name** HINFP

**Synonyms** MIZF, ZNF743

**Function** Transcriptional repressor that binds to the consensus sequence 5'-CGGACGTT-3' and to the RB1 promoter. Transcriptional activator that promotes histone H4 gene transcription at the G1/S phase transition in conjunction with NPAT. Also activates transcription of the ATM and PRKDC genes. Autoregulates its expression by associating with its own promoter.

#### Cellular Location

Nucleus. Note=Associated with discrete nuclear foci

#### Tissue Location

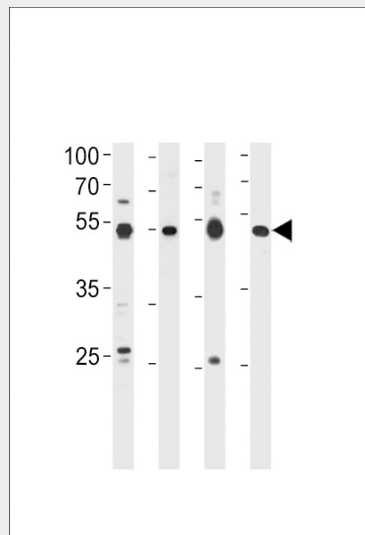
Ubiquitous. Highly expressed in brain, heart, skeletal muscle, spleen, kidney, small intestine, placenta and liver

### HINFP Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HINFP Antibody (Center) - Images



HINFP Antibody (Center) (Cat. #AP12622c) western blot analysis in 293 cell line, human placenta, mouse brain and spleen tissue lysates (35ug/lane). This demonstrates the HINFP antibody detected the HINFP protein (arrow).

### HINFP Antibody (Center) - Background

MIZF interacts with methyl-CpG-binding protein-2 (MBD2; MIM 603547), a component of the MeCP1 histone deacetylase (HDAC) complex, and plays a role in DNA methylation and transcription repression.

**HINFP Antibody (Center) - References**

- Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Mitra, P., et al. J. Cell. Physiol. 219(2):438-448(2009)  
Medina, R., et al. Biochemistry 47(44):11415-11423(2008)  
Medina, R., et al. Cancer Res. 67(21):10334-10342(2007)