

HBP1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50584**Specification**

HBP1 Antibody - Product Information

Application	WB
Primary Accession	O60381
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58 □ 51 KDa
Antigen Region	453-482

HBP1 Antibody - Additional Information**Gene ID** 26959**Other Names**

HMG box-containing protein 1, HMG box transcription factor 1, High mobility group box transcription factor 1, HBP1

Dilution

WB~~ 1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

HBP1 Antibody - Protein Information**Name** HBP1**Function**

Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the histone H1.0 promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.

Cellular Location

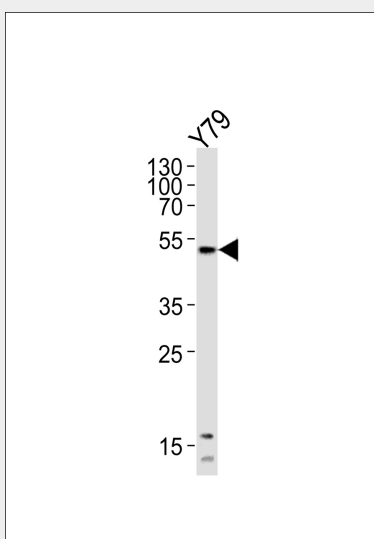
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:10562551}

HBP1 Antibody - 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](#)

HBP1 Antibody - Images



Western blot analysis of lysate from Y79 cell line, using HBP1 Antibody (AP50584). AP50584 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.

HBP1 Antibody - Background

Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the H1FO promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.

HBP1 Antibody - References

Lemerrier C., et al. Mol. Cell. Biol. 20:6627-6637(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 424:157-164(2003).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Zhuma T., et al. EMBO J. 18:6396-6406(1999).