

**TFAP4 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5441b****Specification**

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**TFAP4 Antibody (C-term) - Product Information**

Application	FC, IHC-P, WB,E
Primary Accession	<a href="#">Q01664</a>
Other Accession	<a href="#">NP_003214</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38726
Antigen Region	306-334

**TFAP4 Antibody (C-term) - Additional Information****Gene ID** 7023**Other Names**

Transcription factor AP-4, Activating enhancer-binding protein 4, Class C basic helix-loop-helix protein 41, bHLHC41, TFAP4, BHLHC41

**Target/Specificity**

This TFAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 306-334 amino acids from the C-terminal region of human TFAP4.

**Dilution**

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

TFAP4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TFAP4 Antibody (C-term) - Protein Information**

**Name** TFAP4

**Synonyms** BHLHC41

**Function** Transcription factor that activates both viral and cellular genes by binding to the symmetrical DNA sequence 5'-CAGCTG-3'.

**Cellular Location**

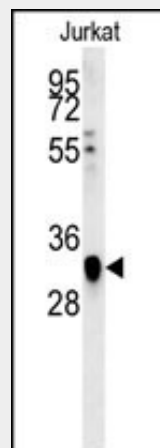
Nucleus.

### TFAP4 Antibody (C-term) - Protocols

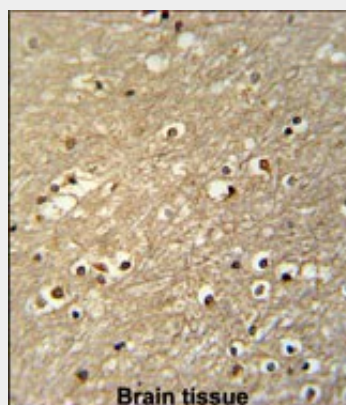
Provided below are standard protocols that you may find useful for product applications.

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

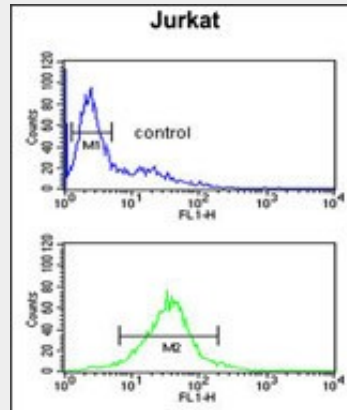
### TFAP4 Antibody (C-term) - Images



TFAP4 Antibody (C-term) (Cat.#AP5441b) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TFAP4 antibody detected the TFAP4 protein (arrow).



TFAP4 Antibody (C-term) (Cat. #AP5441b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TFAP4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TFAP4 Antibody (C-term) (Cat. #AP5441b) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **TFAP4 Antibody (C-term) - Background**

Transcription factors of the basic helix-loop-helix-zipper (bHLH-ZIP) family contain a basic domain, which is used for DNA binding, and HLH and ZIP domains, which are used for oligomerization.

#### **TFAP4 Antibody (C-term) - References**

- Ku, W.C., et al. Mol. Cell Proteomics 8(9):2034-2050(2009)
- Jung, P., et al. Proc. Natl. Acad. Sci. U.S.A. 105(39):15046-15051(2008)
- Pons, J., et al. Biochemistry 47(1):14-29(2008)
- Mermod, N., et al. Nature 332(6164):557-561(1988)