

Rabbit anti-Human TFAP4 Polyclonal Antibody | anti-TFAP4 antibody

TFAP4 Antibody (Center)

CATALOG # AAA286217	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

TFAP4; Polyclonal Antibody; TFAP4 Antibody (Center); Transcription factor AP-4; Activating enhancer-binding protein 4; Class C basic helix-loop-helix protein 41; bHLHc41; BHLHC41; anti-TFAP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TFAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 125-154 amino acids from the Central region of human TFAP4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	125-154
Sequence Length	338
Applicable Applications for anti-TFAP4 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

TFAP4 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

TFAP4 Antibody (Center) western blot analysis in HeLa, HL-60 cell line lysates (35ug/lane). This demonstrates the TFAP4 antibody detected the TFAP4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TFAP4 antibody	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. Transcription factor AP4 activates both viral and cellular genes by binding to the symmetrical DNA sequence CAGCTG (Mermod et al., 1988 [PubMed 2833704]; Hu et al., 1990 [PubMed 2123466]).
Product Categories/Family for anti-TFAP4 antibody	Crown Antibodies
References	Ku, W.C., et al. Mol. Cell Proteomics 8(9):2034-2050(2009) Cao, J., et al. Int. J. Surg. Pathol. 17(1):16-21(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) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507447
NCBI GeneID	7023
NCBI Accession #	NP_003214.1
NCBI GenBank Nucleotide #	NM_003223.2
UniProt Accession #	Q01664; O60409
Molecular Weight	38726
NCBI Official Full Name	transcription factor AP-4
NCBI Official Synonym Full Names	transcription factor AP-4 (activating enhancer binding protein 4)
NCBI Official Symbol	TFAP4
NCBI Official Synonym Symbols	AP-4; bHLHc41
NCBI Protein Information	transcription factor AP-4
UniProt Protein Name	Transcription factor AP-4
UniProt Gene Name	TFAP4
UniProt Synonym Gene Names	BHLHC41; bHLHc41
UniProt Entry Name	TFAP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.