TFAP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TFAP4, Polyclonal Antibody
Full Product Name	TFAP4, CT (TFAP4, BHLHC41, Transcription factor AP-4, Activating enhancer-binding protein 4, Class C basic helix-loop-helix protein 41) (MaxLight 490)
Product Gene Name	anti-TFAP4 antibody
Product Synonym Names	TFAP4; BHLHC41; Transcription factor AP-4; Activating enhancer-binding protein 4; Class C basic helix-loop-helix protein 41
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	39kDa
OMIM	600743
3D Structure	ModBase 3D Structure for Q01664
Immunogen	TFAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 313-342 amino acids from the C-terminal region of human TFAP4.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-TFAP4 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TFAP4 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-TFAP4 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
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.
Product References and Citations for anti-TFAP4 antibody	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).

Other Notes	Small volumes of anti-TFAP4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TFAP4 purchase	MBS6354981 is an antibody targeting TFAP4. Also known as TFAP4, CT (TFAP4, BHLHC41, Transcription factor AP-4, Activating enhancer-binding protein 4, Class C basic helix-loop-helix protein 41) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFAP4. It may not necessarily be applicable to this product.

NCBI GI #	4507447
NCBI GeneID	7023
NCBI Accession #	NP_003214
UniProt Primary Accession #	Q01664
UniProt Related Accession #	Q01664
GenBank Nucleotide #	NM_003223
NCBI Official Full Name	transcription factor AP-4
NCBI Official Synonym Full Names	transcription factor AP-4
NCBI Official Symbol	TFAP4
NCBI Official Synonym Symbols	AP-4; bHLHc41
UniProt Protein Name	Transcription factor AP-4
UniProt Synonym Protein Names	Activating enhancer-binding protein 4; Class C basic helix-loop-helix protein 41; bHLHc41
Protein Family	Transcription factor
UniProt Gene Name	TFAP4
UniProt Synonym Gene Names	BHLHC41; bHLHc41
UniProt Entry Name	TFAP4_HUMAN
NCBI Protein Information	transcription factor AP-4
NCBI Summary for TFAP4	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]).[supplied by OMIM, Jul 2009]
Research Articles on TFAP4	**1.** AP4-associated signatures are conserved between murine adenomas and human colorectal cancer samples. Results establish Ap4 as rate-limiting mediator of adenoma initiation, as well as regulator of intestinal and colonic stem cell and Paneth cell homeostasis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tfap4/6354981