TFAP4 Blocking Peptide

PRODUCT OVERVIEW

Product Name	TFAP4, Blocking Peptide
Full Product Name	TFAP4 Peptide
Product Gene Name	TFAP4 blocking peptide
Product Synonym Gene Name	AP-4; bHLHc41
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	TFAP4 peptide (MBS3226539) is used for blocking the activity of TFAP4 antibody (MBS3201528)
Molecular Weight	39kDa
OMIM	600743
Product Categories/Family for TFAP4 blocking peptide	Peptide
Applications Tested/Suitable for TFAP4 blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for TFAP4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TFAP4 antibody made Target Description: TFAP4 acts in concert with AP-1 to activate SV40 late transcription in vitro.
Other Notes	Small volumes of TFAP4 blocking peptide 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	MBS3226539 is a blocking peptide targeting TFAP4. Also known as TFAP4 Peptide.

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.
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