TFAP2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TFAP2A, Polyclonal Antibody
Full Product Name	TFAP2A, CT (Transcription Factor AP-2-alpha, AP2-alpha, Activating Enhancer-Binding Protein 2 alpha, AP-2 Transcription Factor, Activator Protein 2, AP-2, AP2TF, TFAP2) (MaxLight 405)
Product Gene Name	anti-TFAP2A antibody
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 MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TFAP2A.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	48kDa
OMIM	107580
3D Structure	ModBase 3D Structure for P05549
Immunogen	Synthetic peptide selected from the C-terminal region of human TFAP2A (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-TFAP2A antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TFAP2A antibody	Western Blot (WB), FLISA
Application Notes for anti-TFAP2A antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TFAP2A antibody	MBS6503306 is an antibody targeting TFAP2A. Also known as TFAP2A, CT (Transcription Factor AP-2-alpha, AP2-alpha, Activating Enhancer-Binding Protein 2 alpha, AP-2 Transcription Factor, Activator Protein 2, AP-2, AP2TF, TFAP2) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-TFAP2A antibody	1. Provenzano, M.J., Exp. Mol. Pathol. 83(2), 277-282 (2007). 2. Tan, Y.R., Biochem. J. 405(1), 131-137 (2007). 3. Liu, H., EMBO Rep. 8(4), 394-400 (2007). 4. Han, S., J. Biol. Chem. 282(11), 7961-7972 (2007).
Other Notes	Small volumes of anti-TFAP2A 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFAP2A. It may not necessarily be applicable to this product.

NCBI GI #	4507441
NCBI GeneID	7020
NCBI Accession #	NP_003211
UniProt Primary Accession #	P05549
UniProt Related Accession #	P05549
GenBank Nucleotide #	NM_003220.3
NCBI Official Full Name	transcription factor AP-2-alpha isoform a
NCBI Official Synonym Full Names	transcription factor AP-2 alpha
NCBI Official Symbol	TFAP2A
NCBI Official Synonym Symbols	AP-2; BOFS; AP2TF; TFAP2; AP-2alpha
UniProt Protein Name	Transcription factor AP-2-alpha
UniProt Synonym Protein Names	AP-2 transcription factor; Activating enhancer-binding protein 2-alpha; Activator protein 2
Protein Family	Transcription factor
UniProt Gene Name	TFAP2A
UniProt Synonym Gene Names	AP2TF; TFAP2; AP2-alpha; AP-2
UniProt Entry Name	AP2A_HUMAN
NCBI Protein Information	transcription factor AP-2-alpha
NCBI Summary for TFAP2A	The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. Defects in this gene are a cause of branchiooculofacial syndrome (BOFS). Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009]
Research Articles on TFAP2A	**1.** AP2a may regulate the osteogenic differentiation in an indirect way through competing with RUNX2 to relieve the RUNX2 activity which inhibited by YAP, and also in a direct way via inhibiting the BARX1 in mesenchymal stem cells.
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