TFAP2C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Tfap2c, Polyclonal Antibody
Full Product Name	Tfap2c (Transcription Factor AP-2 gamma, AP2-gamma, AP-22, Activating Enhancer-Binding Protein 2 gamma, Tfap2c, Tcfap2c) (APC)
Product Gene Name	anti-Tfap2c antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes mouse M Tfap2c. Species Crossreactivity: mouse
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	49,137 Da
3D Structure	ModBase 3D Structure for Q61312
Immunogen	KLH conjugated synthetic peptide corresponding to aa123-144 at the N-terminal region of Mouse Tfap2c.
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-Tfap2c antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-Tfap2c antibody	Western Blot (WB)
Application Notes for anti-Tfap2c antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-Tfap2c antibody	MBS6459727 is an antibody targeting Tfap2c. Also known as Tfap2c (Transcription Factor AP-2 gamma, AP2-gamma, AP-22, Activating Enhancer-Binding Protein 2 gamma, Tfap2c, Tcfap2c) (APC). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-Tfap2c antibody	Oulad-Abdelghani M., et al. Exp. Cell Res. 225:338-347(1996). Carninci P., et al. Science 309:1559-1563(2005). Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Yahata T., et al. Genomics 80:601-613(2002).
Other Notes	Small volumes of anti-Tfap2c 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 Tfap2c. It may not necessarily be applicable to this product.

NCBI GI #	228008354
NCBI GeneID	21420
NCBI Accession #	NP_001153168.1
UniProt Primary Accession #	Q61312
UniProt Secondary Accession #	Q99L72
UniProt Related Accession #	Q61312
GenBank Nucleotide #	NM_001159696.1
NCBI Official Full Name	transcription factor AP-2 gamma isoform 2
NCBI Official Synonym Full Names	transcription factor AP-2, gamma
NCBI Official Symbol	Tfap2c
NCBI Official Synonym Symbols	Stra2; Ap-2.2; Tcfap2c; AA409384; AP2gamma
UniProt Protein Name	Transcription factor AP-2 gamma
UniProt Synonym Protein Names	AP-2.2; Activating enhancer-binding protein 2 gamma
Protein Family	Transcription factor
UniProt Gene Name	Tfap2c
UniProt Synonym Gene Names	Tcfap2c; AP2-gamma
UniProt Entry Name	AP2C_MOUSE
NCBI Protein Information	transcription factor AP-2 gamma
UniProt Comments for Tfap2c	AP-2 gamma: Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. Binds DNA as a dimer. Can form homodimers or heterodimers with other AP-2 family members. Interacts with WWOX. Interacts with CITED4. Interacts with UBE2I. Interacts with KCTD1; this interaction represses transcription activation. Interacts with CITED2 (via C-terminus); the interaction stimulates TFAP2B-transcriptional activity. During retinoic acid-mediated differentiation. Belongs to the AP-2 family. Protein type: Motility/polarity/chemotaxis; Transcription factor; DNA-binding Cellular Component: nucleus Molecular Function: protein dimerization activity; protein binding; DNA binding; transcription factor activity Biological Process: skin development; transcription from RNA polymerase II promoter; transcription, DNA-dependent; somatic stem cell maintenance; stem cell maintenance; germ-line stem cell maintenance; sebaceous gland development; negative regulation of transcription from RNA polymerase II promoter; regulation of gene expression, epigenetic; trophectodermal cell differentiation; regulation of cell proliferation; regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-dependent; hair follicle development; positive regulation of transcription from RNA polymerase II promoter; forebrain neuron fate commitment; cerebral cortex development; cell differentiation; regulation of epidermis development
Research Articles on Tfap2c	**1.** Transcription factor AP-2gamma induces early Cdx2 expression and represses HIPPO signaling to specify the trophectoderm lineage.
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