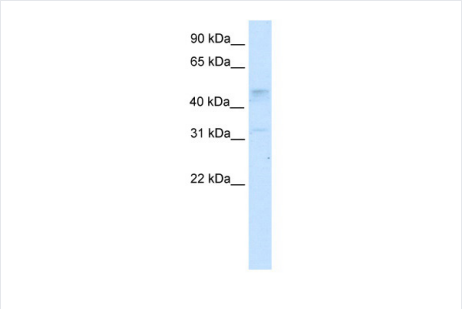
TCFAP2C (TFAP2C) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TCFAP2C (TFAP2C), Polyclonal Antibody
Full Product Name	TCFAP2C antibody - N-terminal region
Product Gene Name	anti-TFAP2C antibody
Product Synonym Gene Name	Stra2; Ap-2.2; Tcfap2c; AA409384; AP2gamma
Immunogen Sequence	Synthetic peptide located within the following region: SASLIPHISG LEGGSVSARR EVYRRSDLLL PHAHALEAGL AENLGLHEMA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Protein A purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	TCFAP2C peptide (MBS3229994) is used for blocking the activity of TCFAP2C antibody (MBS3205028)
Molecular Weight	49kDa
3D Structure	ModBase 3D Structure for Q61312
Homology	Mouse: 100%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of mouse TCFAP2C
Product Categories/Family for anti-TFAP2C antibody	Polyclonal; Transcription Regulation; Developmental Biology; DNA/RNA/Protein Interactions; Transcription Factors; Cell Differentiation
Applications Tested/Suitable for anti-TFAP2C antibody	Western Blot (WB)
Related Product Information for anti-TFAP2C antibody	This is a rabbit polyclonal antibody against TCFAP2C. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Tcfap2c is a sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. Tcfap2c binds 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, limbs and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC.
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.
Searchable Terms for TFAP2C purchase	MBS3205028 is an antibody targeting TFAP2C. Also known as TCFAP2C antibody - N-terminal region. Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TFAP2C antibody
WB Suggested Anti-TCFAP2C Antibody Titration: 2.5ug/mlELISA Titer: 1:1562500Positive Control: SP2/0 cell lysate

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFAP2C. It may not necessarily be applicable to this product.

NCBI GI #	228008347
NCBI GeneID	21420
NCBI Accession #	NP_033361
UniProt Primary Accession #	Q61312
UniProt Related Accession #	Q61312
GenBank Nucleotide #	NM_009335
NCBI Official Full Name	transcription factor AP-2 gamma isoform 1
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.** TFAP2C in trophoblasts controls proliferation by repressing Cdkn1a and activating the MAPK pathway, further supporting differentiation of glycogen cells by activating the AKT pathway
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