

Rabbit anti-Human, Rat TFAP2C Polyclonal Antibody | anti-TFAP2C antibody

TFAP2C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327326	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TFAP2C; Polyclonal Antibody; TFAP2C Antibody; Activating enhancer binding protein 2 gamma; Activating enhancer-binding protein 2 gamma; AP2-gamma; AP2C_HUMAN; AP2g; AP2gamma; ERF 1; ERF1; Estrogen receptor factor 1; hAP 2g; hAP2g; TFAP 2C; TFAP 2G; Tfap2c; TFAP2G; Transcription factor AP 2 gamma (activating enhancer binding protein 2 gamma); Transcription factor AP 2 gamma; Transcription factor AP-2 gamma; Transcription factor ERF 1; Transcription factor ERF-1; Transcription factor ERF1; anti-TFAP2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TFAP2C antibody detects endogenous levels of total TFAP2C
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	450
Applicable Applications for anti-TFAP2C antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TFAP2C
Subcellular Location	Nucleus.
Tissue Specificity	During retinoic acid-mediated differentiation.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)

AAA327326 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of TFAP2C using LOVO whole lysates.



IF (Immunofluorescence)

AAA327326 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TFAP2C antibody	Function: 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. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Subunit Structure: Binds DNA as a dimer. Can form homodimers or heterodimers with other AP-2 family members (By similarity). 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. Interacts with MTA1. Post-translational Modifications: Sumoylated on Lys-10; which inhibits transcriptional activity. Similarity: The PPxY motif mediates interaction with WWOX. Belongs to the AP-2 family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507445
NCBI GeneID	7022
NCBI Accession #	NP_003213.1
NCBI GenBank Nucleotide #	NM_003222.3
UniProt Accession #	Q92754; O00685; O00730; Q86V30; Q8IVB6; Q9P1X2; B4DWK3
Molecular Weight	Observed: 49 kDa Predicted: 50 kDa
NCBI Official Full Name	transcription factor AP-2 gamma
NCBI Official Synonym Full Names	transcription factor AP-2 gamma
NCBI Official Symbol	TFAP2C
NCBI Official Synonym Symbols	ERF1; TFAP2G; hAP-2g; AP2-GAMMA
NCBI Protein Information	transcription factor AP-2 gamma
UniProt Protein Name	Transcription factor AP-2 gamma
UniProt Gene Name	TFAP2C
UniProt Synonym Gene Names	AP2-gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.