

## ARG43702 anti-AP2 gamma antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes AP2 gamma
Tested Reactivity	Hu
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AP2 gamma
Species	Human
Immunogen	Recombinant fragment corresponding to Human AP2 gamma.
Conjugation	Un-conjugated
Alternate Names	ERF1; TFAP2G; hAP-2g; Transcription factor ERF-1; Transcription factor AP-2 gamma; AP2-GAMMA; Activating enhancer-binding protein 2 gamma; AP2-gamma

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	1:10-1:25
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa; Jurkat	
Observed Size	~50 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Concentration	Batch dependent
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

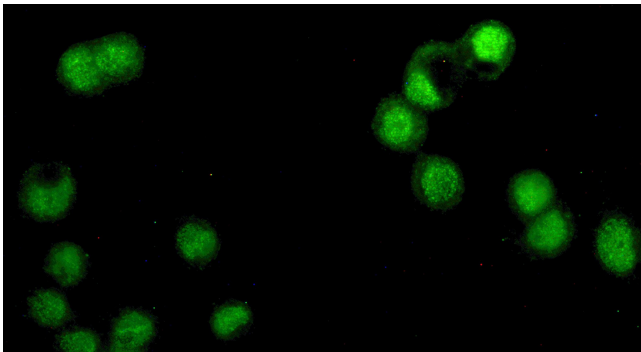
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

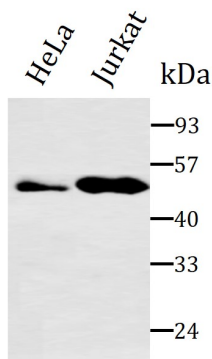
Gene Symbol	TFAP2C
Gene Full Name	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
Background	The protein encoded by this gene is a sequence-specific DNA-binding transcription factor involved in the activation of several developmental genes. The encoded protein can act as either a homodimer or heterodimer with other family members and is induced during retinoic acid-mediated differentiation. It plays a role in the development of the eyes, face, body wall, limbs, and neural tube. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	49 kDa
PTM	Sumoylated on Lys-10; which inhibits transcriptional activity. [UniProt]
Cellular Localization	Nucleus.

## Images



ARG43702 anti-AP2 gamma antibody ICC/IF image

Immunofluorescence: 1MCF-7 cells stained with ARG43702 anti-AP2 gamma antibody at 1:100 dilution.



ARG43702 anti-AP2 gamma antibody WB image

Western blot: HeLa and Jurkat cells stained with ARG43702 anti-AP2 gamma antibody at 1:1000 dilution.