

## ARG43651 anti-AP2 gamma antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes AP2 gamma
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AP2 gamma
Species	Human
Immunogen	Synthetic peptide within a.a. 300-480 of 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
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat lung	
Observed Size	~50 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.01% Thiomersal and 50% Glycerol.
Preservative	0.01% Thiomersal
Stabilizer	50% Glycerol
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

ARG43651 anti-AP2 gamma antibody WB image

Western blot: Mouse lung and HeLa cell stained with ARG43651 anti-AP2 gamma antibody WB image at 1:1000 dilution

