

Product datasheet

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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.

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

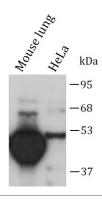
regulation of ESR1 expression in breast cancer. [UniProt]

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