## ARG43701
## 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, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | AP2 gamma |
| Species | Human |
| Immunogen | Synthetic peptide 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 |
| | IHC-P | 1:50 - 1:100 |
| | WB | 1:500 - 1:1000 |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | HeLa |
| Observed Size | ~50 kDa |

## Properties

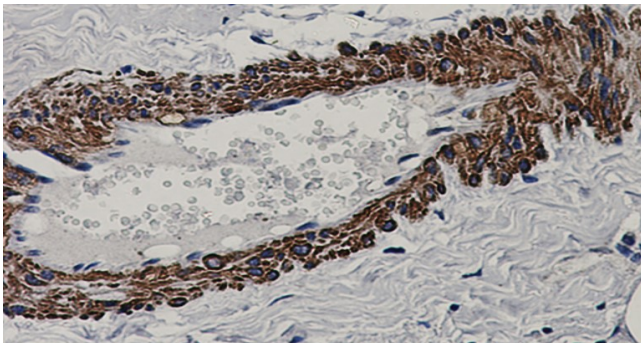| | |
|---|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |
| Concentration | Batch dependent |
| Storage 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 |

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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
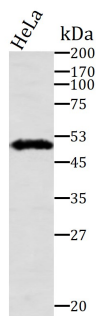
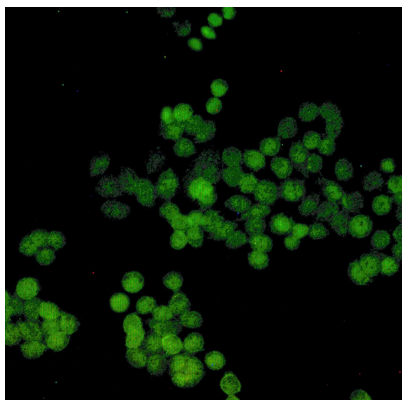| | |
|---|---|
| Gene Symbol | TFAP2C |
| Gene Full Name | transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma) |
| Background | The protein encoded by this gene is a sequence-specific DNA-binding transcription factor involved in the activation of several developmental genes. 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



**ARG43701 anti-AP2 gamma antibody IHC-P image**

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue stained with ARG43701 anti-AP2 gamma antibody at 1:100 dilution. Antigen Retrieval: Heat mediated was performed using sodium citrate buffer pH 6.0.



**ARG43701 anti-AP2 gamma antibody WB image**

Western blot: Hela cells stained with ARG43701 anti-AP2 gamma antibody at 1:1000 dilution.

ARG43701 anti-AP2 gamma antibody ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG43701 anti-AP2 gamma antibody at 1:150 dilution.

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