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# Anti-TFAP2A / AP-2 Antibody (clone 2G5)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17688

## Product Information

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|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | P05549 |
| **Predicted** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Names** | 2G5 |
| **Calculated MW** | 48062 |
| **Concentration (mg/ml)** | 0.5 mg/ml |

## Additional Information

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|---|---|
| **Gene ID** | 7020 |
| **Alias Symbol** | TFAP2A |
| **Other Names** | TFAP2A, Activator protein 2, AP-2, AP-2a, AP2TF, AP-2alpha, BOFS, TFAP2, Transcription factor AP-2, AP-2 transcription factor, AP2-alpha |
| **Target/Specificity** | Human TFAP2A |
| **Reconstitution & Storage** | Protein A purified |
| **Precautions** | Anti-TFAP2A / AP-2 Antibody (clone 2G5) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | TFAP2A |
| **Synonyms** | AP2TF, TFAP2 |
| **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. AP-2-alpha is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation. Associates with chromatin to the PITX2 P1 promoter region. |

**Cellular Location** Nucleus.