

# AP-2 $\alpha$ / $\beta$ Polyclonal Antibody

Catalog # AP68436

## Product Information

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|-------------------|-------------------------------------------------|
| Application       | WB, IHC-P, IF, ICC, E                           |
| Primary Accession | <a href="#">P05549</a> , <a href="#">Q92481</a> |
| Reactivity        | Human, Mouse, Rat                               |
| Host              | Rabbit                                          |
| Clonality         | Polyclonal                                      |
| Calculated MW     | 48062                                           |

## Additional Information

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| Gene ID            | 7020                                                                                                                                                                                                                                             |
| Other Names        | TFAP2A; AP2TF; TFAP2; Transcription factor AP-2-alpha; AP2-alpha; AP-2 transcription factor; Activating enhancer-binding protein 2-alpha; Activator protein 2; AP-2; TFAP2B; Transcription factor AP-2-beta; AP2-beta; Activating enhancer-bindi |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A                                                                             |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                                                                                                                                                                    |
| Storage Conditions | -20°C                                                                                                                                                                                                                                            |

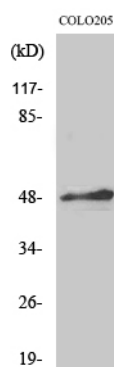
## Protein Information

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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 can also suppress a number of genes including MCAM/MUC18 and C/EBP alpha. Is involved in the negative regulation of Wnt canonical signaling, and is a transcriptional repressor of MYC (PubMed: <a href="#">33000225</a> ). 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. |

## Images

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Western Blot analysis of various cells using AP-2 $\alpha$ / $\beta$  Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.