

**AP2 alpha Antibody**  
Rabbit mAb  
Catalog # AP92381

## Specification

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### AP2 alpha Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, FC, ICC, IP   |
| Primary Accession | <a href="#">P05549</a> |
| Reactivity        | Rat                    |
| Clonality         | Monoclonal             |

#### Other Names

AP 2alpha; AP-2; AP2; AP2TF; BOFS; TFAP2; TFAP2A;

|               |            |
|---------------|------------|
| Isotype       | Rabbit IgG |
| Host          | Rabbit     |
| Calculated MW | 48062 Da   |

### AP2 alpha Antibody - Additional Information

|              |  |
|--------------|--|
| Purification | Affinity-chromatography                            |
| Immunogen    | A synthesized peptide derived from human AP2 alpha |

|             |  |
|-------------|--|
| Description | 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. |
|-------------|--|

|                              |   |
|------------------------------|---|
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
|------------------------------|---|

### AP2 alpha Antibody - Protein Information

**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

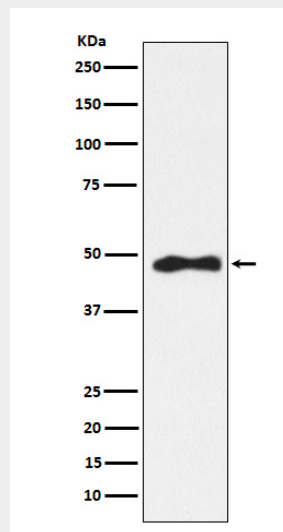
Nucleus.

#### AP2 alpha Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### AP2 alpha Antibody - Images



Western blot analysis of AP2 alpha expression in Hela cell lysate.