

**AP2 alpha Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1976a**

**Specification**

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**AP2 alpha Antibody (N-term) - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB,E  |
| Primary Accession | <a href="#">P05549</a>  |
| Other Accession   | <a href="#">P58197</a> , <a href="#">P34056</a> , <a href="#">A1A4R9</a> , <a href="#">O9N0N3</a> |
| Reactivity        | Human   |
| Predicted         | Bovine, Mouse, Rat, Sheep   |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | Rabbit IgG  |
| Calculated MW     | 48062   |
| Antigen Region    | 104-133   |

**AP2 alpha Antibody (N-term) - Additional Information**

**Gene ID** 7020

**Other Names**

Transcription factor AP-2-alpha, AP2-alpha, AP-2 transcription factor, Activating enhancer-binding protein 2-alpha, Activator protein 2, AP-2, TFAP2A, AP2TF, TFAP2

**Target/Specificity**

This AP2 alpha antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from the N-terminal region of human AP2 alpha.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AP2 alpha Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AP2 alpha Antibody (N-term) - 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.

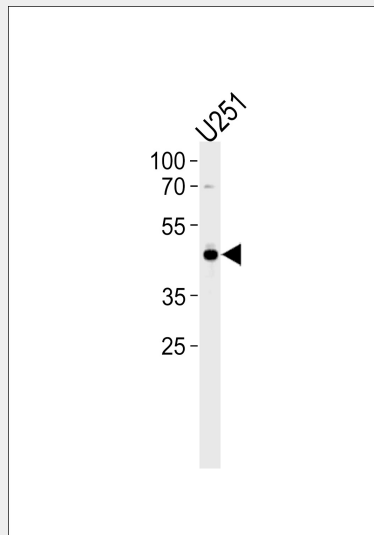
**Cellular Location**

Nucleus.

**AP2 alpha Antibody (N-term) - 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 (N-term) - Images**

TFAP2A Antibody (N-term) (Cat. #AP1976a) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the TFAP2A antibody detected the TFAP2A protein (arrow).

**AP2 alpha Antibody (N-term) - Background**

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, limbs 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.

#### **AP2 alpha Antibody (N-term) - References**

Provenzano, M.J., *Exp. Mol. Pathol.* 83 (2), 277-282 (2007)

Tan, Y.R., *Biochem. J.* 405 (1), 131-137 (2007)

Liu, H., *EMBO Rep.* 8 (4), 394-400 (2007)

Han, S., *J. Biol. Chem.* 282 (11), 7961-7972 (2007)