

**AP2 alpha/beta Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51553**

**Specification**

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**AP2 alpha/beta Antibody - Product Information**

Application	WB, ICC, IHC-P, E
Primary Accession	<a href="#">P05549</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48 KDa

**AP2 alpha/beta Antibody - 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

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**AP2 alpha/beta 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/beta 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/beta Antibody - Images**

## **AP2 alpha/beta Antibody - Background**

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## **AP2 alpha/beta Antibody - References**

Williams T., et al. *Genes Dev.* 2:1557-1569(1988).  
Buettner R., et al. *Mol. Cell. Biol.* 13:4174-4185(1993).  
Bauer R., et al. *Nucleic Acids Res.* 22:1413-1420(1994).  
Mungall A.J., et al. *Nature* 425:805-811(2003).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.