

**Mouse Tfap2a Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5049**

**Specification**

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**Mouse Tfap2a Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P34056</a>
Other Accession	<a href="#">P58197</a> , <a href="#">A1A4R9</a> , <a href="#">Q9NON3</a>
Reactivity	Mouse, Rat
Predicted	Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=48,M=48,47,51,Rat=48 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**Mouse Tfap2a Antibody (Center) - Additional Information**

**Gene ID** 21418

**Antigen Region**  
134-166

**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, Tcfap2a

**Dilution**

WB~~1:1000

**Target/Specificity**

This mouse Tfap2a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 134-166 amino acids from the Central region of mouse Tfap2a.

**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**

Mouse Tfap2a Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Tfap2a Antibody (Center) - Protein Information**

**Name** Tfp2a

**Synonyms** Ap2tf, Tcfap2a

**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**

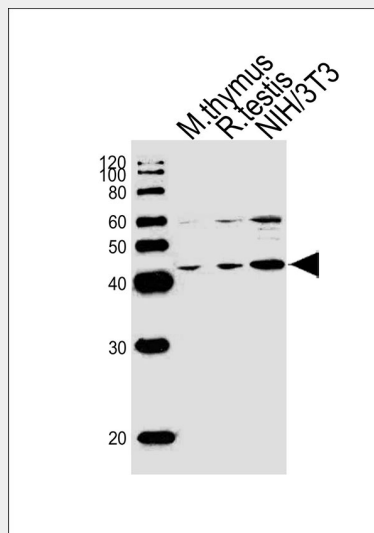
Nucleus.

**Mouse Tfp2a Antibody (Center) - 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](#)

**Mouse Tfp2a Antibody (Center) - Images**



Western blot analysis of lysates from mouse thymus, rat testis tissue and mouse NIH/3T3 cell line (from left to right), using MOUSE Tfp2a Antibody (Center)(Cat. #AW5049). AW5049 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

### **Mouse Tfp2a Antibody (Center) - 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, 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.

### **Mouse Tfp2a Antibody (Center) - References**

Moser M., et al. Nucleic Acids Res. 21:4844-4844(1993).  
Meier P., et al. Dev. Biol. 169:1-14(1995).  
Carninci P., et al. Science 309:1559-1563(2005).  
Mitchell P.J., et al. Genes Dev. 5:105-119(1991).  
Yahata T., et al. Genomics 80:601-613(2002).