

# Mouse Tfap2a Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20558c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">P34056</a>
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB43450
Calculated MW	47971

## Additional Information

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Gene ID	21418
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
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.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.

## Protein Information

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Name	Tfap2a
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.

## Background

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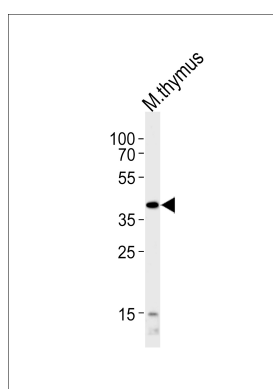
## References

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Carninci P.,et al.Science 309:1559-1563(2005).  
Mitchell P.J.,et al.Genes Dev. 5:105-119(1991).  
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## Images

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Western blot analysis of lysate from mouse thymus tissue lysate, using Mouse Tfp2a Antibody (Center) (Cat. #AP20558c). AP20558c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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