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Mouse Tfap2a Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5049

Product Information

Application	WB
Primary Accession	P34056
Other Accession	P58197, A1A4R9
Reactivity	Mouse, Rat
Predicted	Human, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47971
Isotype	Rabbit IgG
Antigen Source	HUMAN

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.

Protein Information

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 and C/EBP alpha. Is involved in the negative regulation of Wnt canonical signaling, and is a transcriptional repressor of MYC (By similarity). 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 {ECO:0000250|UniProtKB:P05549}.

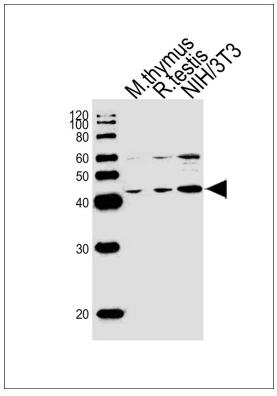
Background

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.

References

Moser M.,et al.Nucleic Acids Res. 21:4844-4844(1993).
Meier P.,et al.Dev. Biol. 169:1-14(1995).
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Yahata T.,et al.Genomics 80:601-613(2002).

Images



Western blot analysis of lysates from mouse thymus, rat testis tissue and mouse NIH/3T3 cell line (from left to right), using MOUSE Tfap2a 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.

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