

## Product datasheet for **TA330109**

### AP2 alpha (TFAP2A) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TFAP2A antibody: synthetic peptide directed towards the C terminal of human TFAP2A. Synthetic peptide located within the following region: NLISHGFGSPAVCAAVTALQNYLTEALKAMDKMYLSNPNNSHTDNNKSS
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	transcription factor AP-2 alpha
Database Link:	<a href="#">NP_003211</a> <a href="#">Entrez Gene 21418 Mouse</a> <a href="#">Entrez Gene 7020 Human</a> <a href="#">P05549</a>



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**Background:**

TFAP2A is a 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 is a 52-kD retinoic acid-inducible and developmentally regulated activator of transcription that binds to a consensus DNA-binding sequence CCCCAGGC in the SV40 and metallothionein (MIM 156350) promoters. [supplied by OMIM]

**Synonyms:**

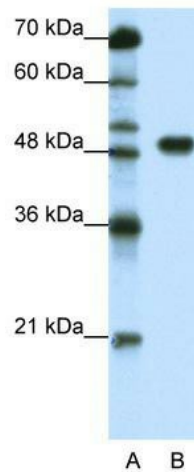
AP-2; AP-2alpha; AP2TF; BOFS; TFAP2

**Note:**

Immunogen sequence homology: Human: 100%; Dog: 92%; Guinea pig: 92%; Mouse: 92%; Pig: 92%; Rabbit: 92%; Rat: 92%; Chicken: 85%

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

WB Suggested Anti-TFAP2A Antibody Titration:  
1.25ug/ml; ELISA Titer: 1:312500; Positive Control:  
HepG2 cell lysate