



ABCLONAL BIOTECHNOLOGY, INC.

AP-2 α Rabbit pab Antibody

Anti AP-2 α antibody

Catalog Number:	A0417	Quantity:	100ul
Lot Number:	A00009	Species:	Rabbit
Gene ID:	7020	Swiss Prot:	P05549

DESCRIPTION

Description	Rabbit polyclonal to Human AP-2 α
Species	Rabbit
Applications	WB IHC ICC IP
Reactivity	H M R
Immunogen	A synthetic peptide of human AP-2 α
Other Name	TFAP2A; AP-2 ; AP-2alpha;AP2TF ;BOFS ; FLJ51761;TFAP2 ;Transcription factor AP-2-alpha ;AP-2 transcription factor;Activating enhancer-binding protein 2-alpha;Activator protein 2 ;

PROPERTIES

Form	Liquid
Storage instructions	Upon delivery aliquot and store at -20°C or -80°C.
Storage buffer	PBS with 0.1% Sodium Azide, 50% Glycerol,
Purity	Affinity purification
Clonality	Polyclonal
Isotype	IgG

APPLICATION

WB	WB :1/1000-2000
IHC	IHC:1/50-100
ICC	ICC:1/100-200
IP	IP:1/10-50



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BACKGROUND

The sequence-specific transcription factor activator protein 2 α (AP-2 α) is required for normal growth and morphogenesis during mammalian development (1,2). Decreased or loss of AP-2 α expression has been observed in many different types of human cancers including breast cancer (3,4), ovarian cancer (5), melanoma (6) and prostate cancer (7). These findings suggest that AP-2 α expression plays a crucial role in tumorigenicity. Studies have also shown that p53 overexpression in human breast carcinoma cells induces the level of AP-2 α expression. Furthermore, p53 binds to the *cis*-element in the AP-2 α promoter, suggesting that AP-2 α is a target of p53. AP-2 α may mediate the effect of p53 to inhibit cell proliferation (8).

1. [Mitchell, P.J. et al. \(1987\) *Cell* 50, 847-61.](#)
2. [Williams, T. and Tjian, R. \(1991\) *Genes Dev* 5, 670-82.](#)
3. [Douglas, D.B. et al. \(2004\) *Cancer Res* 64, 1611-20.](#)
4. [Gee, J.M. et al. \(1999\) *J Pathol* 189, 514-20.](#)
5. [Anttila, M.A. et al. \(2000\) *Br J Cancer* 82, 1974-83.](#)
6. [Jean, D. et al. \(1998\) *J Biol Chem* 273, 16501-8.](#)
7. [Ruiz, M. et al. \(2004\) *Cancer Res* 64, 631-8.](#)
8. [Li, H. et al. \(2006\) *Oncogene* 25, 5405-15.](#)