

Anti-AP-2-alpha Antibody

Catalog # AP96074

Product Information

Application	WB, FC
Primary Accession	P05549
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	48062

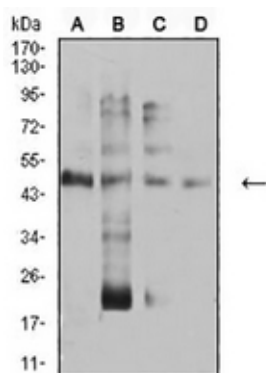
Additional Information

Gene ID	7020
Other Names	AP2TF; TFAP2; Transcription factor AP-2-alpha; AP2-alpha; AP-2 transcription factor; Activating enhancer-binding protein 2-alpha; Activator protein 2; AP-2
Target/Specificity	Recombinant fusion protein of human AP-2-alpha expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

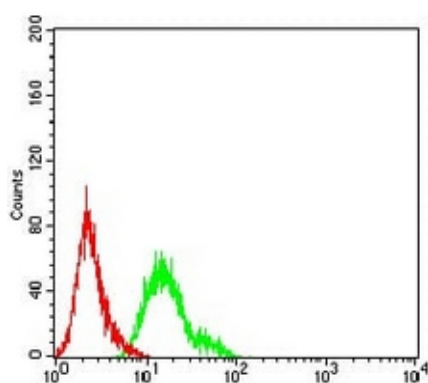
Protein Information

Name	TFAP2A
Synonyms	AP2TF, TFAP2
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 can 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 (PubMed: 33000225). 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

Images



Western blot analysis of AP-2-alpha expression in HeLa (A), PANC1 (B), HEK293 (C), RAW267.4 (D) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 48 kD)



Flow cytometric analysis of HeLa cells using Anti-AP-2-alpha Antibody (green) and negative control (red).

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