10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TFAP2A / AP-2 Antibody (clone 2G5)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17688

Product Information

Application	WB, IHC-P, E
Primary Accession	P05549
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	2G5
Calculated MW	48062
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	7020
Alias Symbol	TFAP2A
Other Names	TFAP2A, Activator protein 2, AP-2, AP-2a, AP2TF, AP-2alpha, BOFS, TFAP2, Transcription factor AP-2, AP-2 transcription factor, AP2-alpha
Target/Specificity	Human TFAP2A
Reconstitution & Storage	Protein A purified
Precautions	Anti-TFAP2A / AP-2 Antibody (clone 2G5) is for research use only and not for use in diagnostic or therapeutic procedures.

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

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