

TFAP2B

Purified Mouse Monoclonal Antibody
Catalog # AO2546a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q92481
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6F7G1
Isotype	Mouse IgG2b
Calculated MW	50474
Immunogen	Purified recombinant fragment of human TFAP2B (AA: 84-193) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	7021
Other Names	PDA2; AP-2B; AP2-B
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TFAP2B is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TFAP2B
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, C/EBP alpha and MYC. AP-2-beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q61313}. Note=In the brain, localizes to the arcuate hypothalamic nucleus, the ventromedial hypothalamic nucleus and the accumbens nucleus of the ventral striatum. {ECO:0000250|UniProtKB:Q61313}

References

1.Eur J Gynaecol Oncol. 2015;36(3):268-73.2.Hum Hered. 2013;75(2-4):213-9.

Images

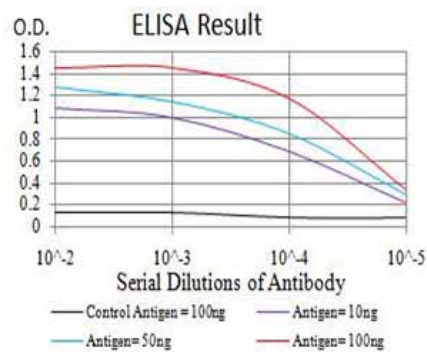


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

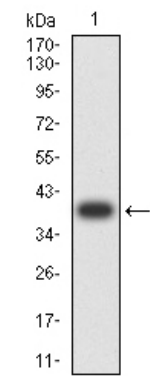


Figure 2:Western blot analysis using TFAP2B mAb against human TFAP2B (AA: 84-193) recombinant protein. (Expected MW is 38 kDa)

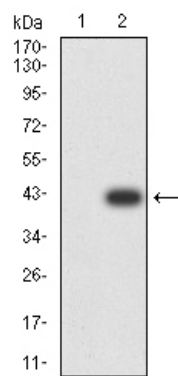


Figure 3:Western blot analysis using TFAP2B mAb against HEK293 (1) and TFAP2B (AA: 84-193)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using TFAP2B mouse mAb against SK-N-SH (1) cell lysate.

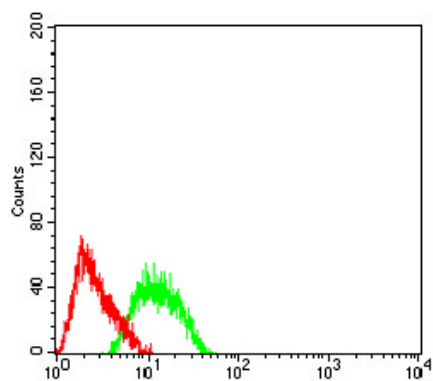
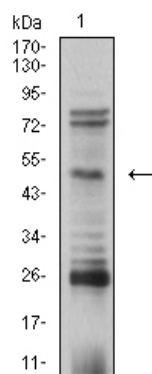


Figure 5: Flow cytometric analysis of SK-N-SH cells using TFAP2B mouse mAb (green) and negative control (red).

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