

**TFAP2B**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2546a****Specification**

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**TFAP2B - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">O92481</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG2b</b>
Calculated MW	<b>50.5kDa KDa</b>

**Immunogen**

Purified recombinant fragment of human TFAP2B (AA: 84-193) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**TFAP2B - Additional Information**

**Gene ID** 7021

**Other Names**

PDA2; AP-2B; AP2-B

**Dilution**

E~~ 1/10000

WB~~ 1/500 - 1/2000

**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.

**TFAP2B - 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}

#### TFAP2B - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### TFAP2B - Images

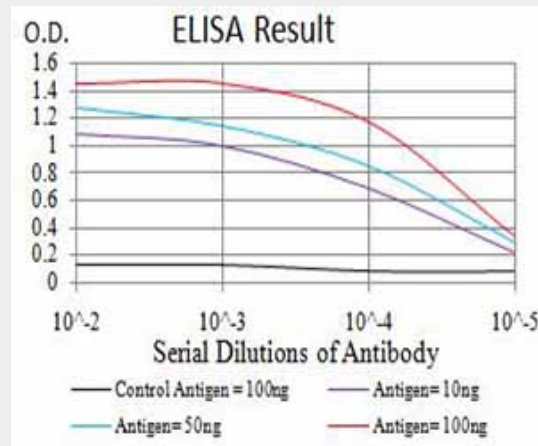


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

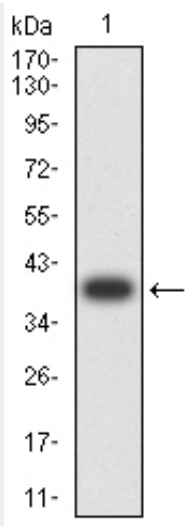


Figure 2:Western blot analysis using TFAP2B mAb against human TFAP2B (AA: 84-193) recombinant protein. (Expected MW is 38 kDa)

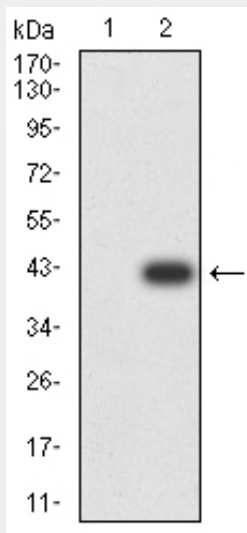


Figure 3:Western blot analysis using TFAP2B mAb against HEK293 (1) and TFAP2B (AA: 84-193)-hlgGFc transfected HEK293 (2) cell lysate.

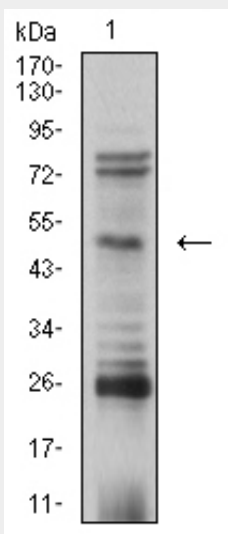


Figure 4:Western blot analysis using TFAP2B mouse mAb against SK-N-SH (1) cell lysate.

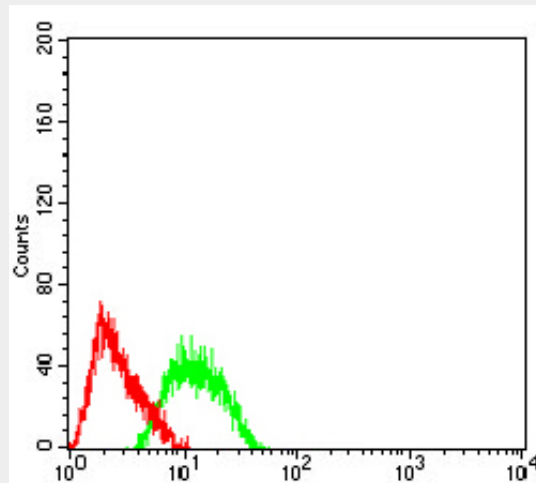


Figure 5:Flow cytometric analysis of SK-N-SH cells using TFAP2B mouse mAb (green) and negative control (red).

#### **TFAP2B - References**

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