

## TFAP2A

**Reactivity:**Human Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:200 - 1:1000

**Calculated MW:**47kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human TFAP2A

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AP-2; BOFS; AP2TF; TFAP2; AP-2alpha;

**Background:**

The activator protein-2 (AP-2) family of transcription factors comprises five 52-kDa isoforms (AP-2, AP-2, AP-2, AP-2, and AP-2), which share a common structure: a proline/glutamine-rich transactivation domain in the N-terminal region and a helix-span-helix domain in the C-terminal region, which mediates dimerization and site-specific DNA binding. Depending on the cellular context, the AP-2 transcription factors are individually associated either with cell differentiation and development or with cancer progression/regression. [PMID:21966377] TFAP2A (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 [PMID:11694877]

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**Catalog #:**A0416

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7020

**Isotype:**IgG

**Swiss Prot:**P05549

**Purity:**Affinity purification

For research use only.