

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;

Catalog #: A0416

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 7020

Isotype: IgG

Swiss Prot: P05549

Purity: Affinity purification

For research use only.

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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