

TFAP2A,AP-2 Polyclonal Antibody

Catalog number: 13019-3-AP

Size: 23 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TFAP2A; Activator protein 2,
AP 2, AP 2 transcription factor,
AP 2alpha, AP2, AP2 alpha,
AP2TF, BOFS, FLJ51761, TFAP2,
TFAP2A



MCF7 cells were subjected to SDS PAGE followed by western blot with 13019-3-AP(TFAP2A,AP-2 antibody) at dilution of 1:300

Background

The activator protein-2 (AP-2) family of transcription factors comprises five 52-kDa isoforms (AP-2α, AP-2β, AP-2γ, AP-2δ, and AP-2ε), 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]

Applications

Tested applications:	ELISA, WB
Cited applications:	ChIP, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human, mouse
Calculated TFAP2A,AP-2 MW:	431aa,47 kDa
Observed TFAP2A,AP-2 MW:	47 kDa
Positive WB detected in	MCF7 cells, HeLa cells
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4112
GenBank accession number:	BC017754
Gene ID (NCBI):	7020
Full name:	Transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.