

For Research Use Only

TFAP2A/AP-2 Recombinant monoclonal antibody

Catalog Number: 87936-1-RR



Basic Information

Catalog Number: 87936-1-RR	GenBank Accession Number: BC017754	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7020	CloneNo.: 253521E1
Isotype: IgG	UNIPROT ID: P05549	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG4112	Full Name: transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	
	Calculated MW: 431 aa, 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, BT-549 cells, HeLa cells
Species Specificity: human	

Background Information

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

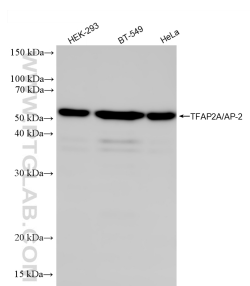
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87936-1-RR (TFAP2A,AP-2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.