

## ARG44751 anti-TFAP2A / AP2 alpha antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes TFAP2A / AP2 alpha
Tested Reactivity	Hu
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	AP2 alpha
Species	Human
Conjugation	Un-conjugated
Alternate Names	BOFS; TFAP2; Activating enhancer-binding protein 2-alpha; AP2-alpha; Transcription factor AP-2-alpha; AP-2; AP-2alpha; AP-2 transcription factor; Activator protein 2; AP2TF

### Application Instructions

Application table	Application	Dilution
	IHC-P	5-10 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

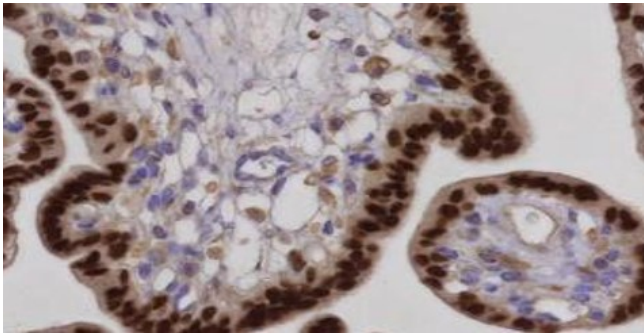
Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	TFAP2A
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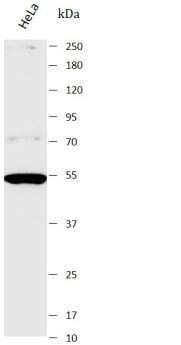
Gene Full Name	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)
Background	The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. Defects in this gene are a cause of branchiooculofacial syndrome (BOFS). Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009]
Function	Enhances the phosphorylation and activation of AKT1, AKT2 and AKT3. Promotes nuclear translocation of AKT1. Enhances cell proliferation, stabilizes mitochondrial membrane potential and promotes cell survival. [UniProt]
Calculated Mw	48 kDa
PTM	Sumoylated on Lys-10; which inhibits transcriptional activity. [UniProt]

Images



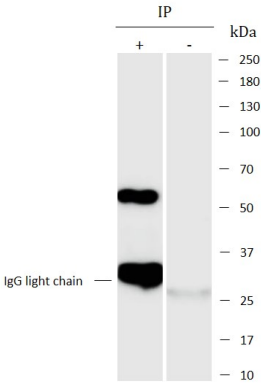
ARG44751 anti-TFAP2A / AP2 alpha antibody IHC-P image

Immunohistochemistry: Human placenta stained with ARG44751 anti-TFAP2A / AP2 alpha antibody at 5 µg/mL dilution.



ARG44751 anti-TFAP2A / AP2 alpha antibody WB image

Western blot: HeLa stained with ARG44751 anti-TFAP2A / AP2 alpha antibody at 1 µg/mL dilution.



ARG44751 anti-TFAP2A / AP2 alpha antibody IP image

Immunoprecipitation: HeLa lysate immunoprecipitated with 2.5 µg of ARG44751 anti-TFAP2A / AP2 alpha antibody.