

TFAP2A Antibody

Catalog No: #48390

Package Size: #48390-1 50ul #48390-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

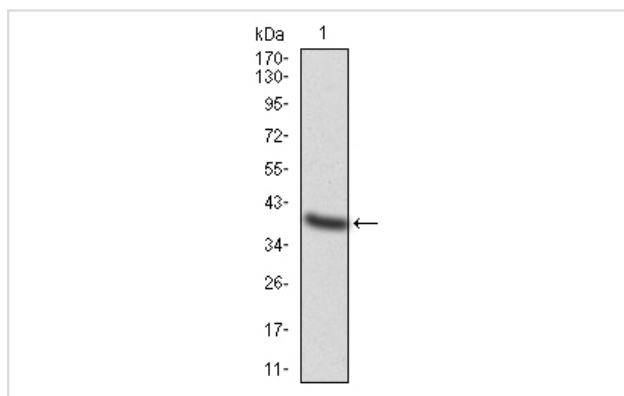
Description

Product Name	TFAP2A Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10-C5
Purification	ProA affinity purified
Applications	WB, ICC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Activating enhancer binding protein 2 alpha antibody Activating enhancer-binding protein 2-alpha antibody Activator protein 2 antibody AP 2 transcription factor antibody AP 2alpha antibody AP-2 antibody AP-2 transcription factor antibody AP2 antibody AP2 Transcription Factor antibody AP2-alpha antibody AP2A_HUMAN antibody AP2TF antibody BOFS antibody FLJ51761 antibody TFAP 2 antibody TFAP 2A antibody TFAP2 antibody TFAP2A antibody Transcription factor AP 2 alpha (activating enhancer binding protein 2 alpha) antibody Transcription factor AP-2-alpha antibody Transcription factor AP2 alpha antibody
Accession No.	Swiss-Prot#:P05549
Uniprot	P05549
GeneID	7020;
Calculated MW	48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

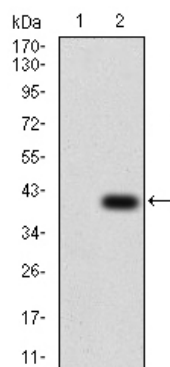
Application Details

WB: 1:500-1:2,000 ICC: 1:50-1:200 FC: 1:50-1:100

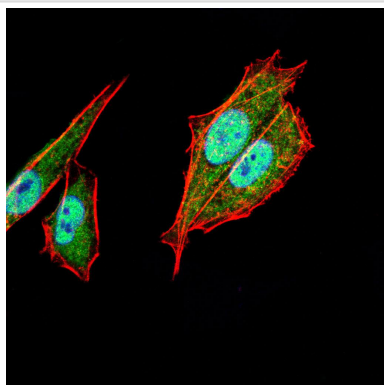
Images



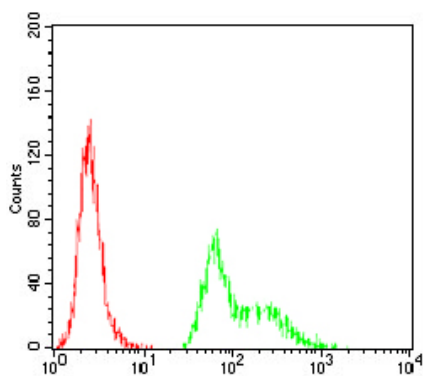
Western blot analysis of AP2 alpha on human AP2 alpha recombinant protein using anti- AP2 alpha antibody at 1/1,000 dilution.



Western blot analysis of AP2 alpha on HEK293 (1) and AP2 alpha-hlgGfc transfected HEK293 (2) cell lysate using anti-AP2 alpha antibody at 1/1,000 dilution.



ICC staining AP2 alpha (green) and Actin filaments (red) in HeLa cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with AP2 alpha antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Background

AP-2 transcription factor family members include AP-2 α , AP-2 β and AP-2 γ , which specifically bind to the DNA consensus sequence CCCAGGC and initiate transcription of selected genes. AP-2, also known as ERF-1, plays a role in regulating estrogen receptor expression. AP-2 β , a splice variant of AP-2 α , inhibits AP-2 activity. Besides subscribing to the AP-2 complex, AP-2 α , AP-2 β and AP-2 γ proteins compose the OB2-1 transcription factor complex. OB2-1 specifically upregulates expression of the proto-oncogene c-ErbB-2, which is overexpressed in 25-30% of breast cancers. AP-2 α may play an important role in the development of ectodermal-derived tissues. Deleterious mutations involving the AP-2 α gene are linked to microphthalmia, corneal clouding and other anterior eye chamber defects. The ubiquitously expressed AP-4 transcription factor specifically binds to the DNA consensus sequence 5'-CAGCTG-3'. AP-4 interacts with promoters for immunoglobulin- κ gene families and simian virus 40. AP-4 may enhance the transcription of the human Huntington's disease gene. AP-4 is a helix-loop-helix protein that contains two distinctive leucine repeat elements.

References

Note: This product is for in vitro research use only