

## AP2 beta Antibody

Catalog No: #48426

Package Size: #48426-1 50ul #48426-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

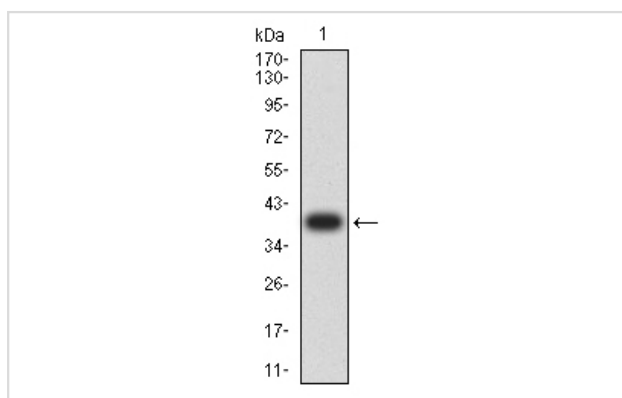
## Description

Product Name	AP2 beta Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	G1-F7
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Activating enhancer binding protein 2 beta antibody Activating enhancer-binding protein 2-beta antibody AP 2B antibody AP2 B antibody AP2-beta antibody AP2B antibody AP2B_HUMAN antibody AP2beta antibody MGC21381 antibody OTTHUMP0000039925 antibody PDA2 antibody TFAP 2B antibody Tfp2b antibody Transcription factor AP 2 beta antibody Transcription factor AP-2-beta antibody Transcription factor AP2 beta antibody
Accession No.	Swiss-Prot#:Q92481
Uniprot	Q92481
GeneID	7021;
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

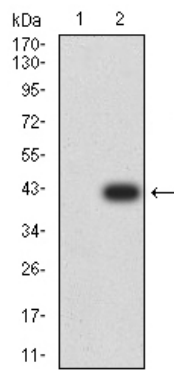
## Application Details

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

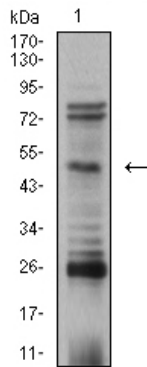
## Images



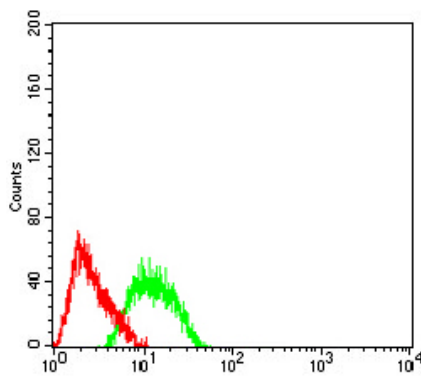
Western blot analysis of AP2 beta on human AP2 beta recombinant protein using anti- AP2 beta antibody at 1/1,000 dilution.



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



Western blot analysis of AP2 beta on SK-N-SH cell lysate using anti-AP2 beta antibody at 1/1,000 dilution.



Flow cytometric analysis of SK-N-SH cells with AP2 beta 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 $\alpha$ , AP-2 $\beta$  and AP-2 $\gamma$ , 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 $\beta$ , a splice variant of AP-2 $\alpha$ , inhibits AP-2 activity. Besides subscribing to the AP-2 complex, AP-2 $\alpha$ , AP-2 $\beta$  and AP-2 $\gamma$  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 $\alpha$  may play an important role in the development of ectodermal-derived tissues. Deleterious mutations involving the AP-2 $\alpha$  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- $\kappa$  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