

Anti-TFAP2A Antibody (2N525)

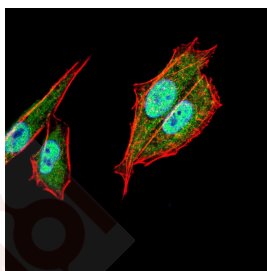
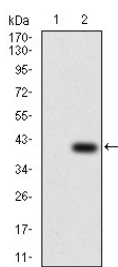
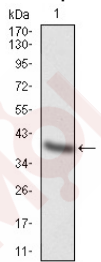
Product Details

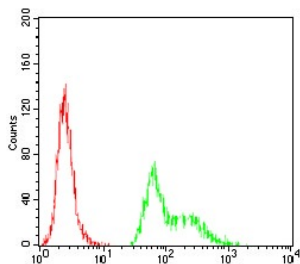
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 48 kDa.
Clone:	2N525
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of AP2 alpha on human AP2 alpha recombinant protein using anti- AP2 alpha antibody at 1/1,000 dilution.
2. 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.
3. 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.
4. 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).





Application: FCM,ICC,WB

Recommended WB: 1:500-2000; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P05549

Synonyms: Transcription factor AP 2 alpha (activating enhancer binding protein 2 alpha);Activating enhancer-binding protein 2-alpha;AP2A_HUMAN;AP2-alpha;Activator protein 2;TFAP 2;TFAP 2A;AP2 Transcription Factor;AP2;AP2TF;FLJ51761;AP-2 transcription factor;BOFS;Activating enhancer binding protein 2 alpha;TFAP2A;TFAP2;Transcription factor AP-2-alpha;AP 2 transcription factor;AP-2;Transcription factor AP2 alpha;AP 2alpha

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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