

## Anti-AP2 beta Antibody (6Y40)

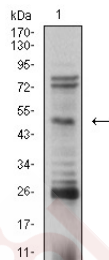
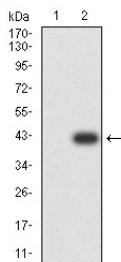
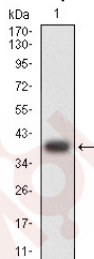
### Product Details

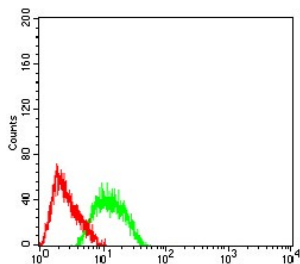
|                   |                        |
|-------------------|------------------------|
| Reactivity:       | Human                  |
| Conjugation:      | Unconjugated           |
| Molecular Weight: | Theoretical: 50 kDa.   |
| Clone:            | 6Y40                   |
| Purification:     | ProA affinity purified |

### Applications

#### Verified Activity:

1. Western blot analysis of AP2 beta on human AP2 beta recombinant protein using anti- AP2 beta antibody at 1/1,000 dilution.
2. Western blot analysis of AP2 beta on HEK293 (1) and AP2 beta -hlgGfc transfected HEK293 (2) cell lysate using anti- AP2 beta antibody at 1/1,000 dilution.
3. Western blot analysis of AP2 beta on SK-N-SH cell lysate using anti- AP2 beta antibody at 1/1,000 dilution.
4. 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).





Application: FCM,WB

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

### 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: Q92481

Synonyms: Activating enhancer binding protein 2 beta;Activating enhancer-binding protein 2-beta;TFAP 2B;MGC21381;AP2  $\beta$ ;OTTHUMP00000039925;PDA2;AP2-beta;Tfap2b;AP2 $\beta$ ;AP2B;Transcription factor AP2 beta;Transcription factor AP 2 beta;Transcription factor AP-2-beta;AP2B\_HUMAN; AP2 B;AP2beta;AP 2B

### Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481