

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human AP-2 β in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human AP-2 β Leu121-Phe218 Accession # Q92481
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

AP-2 β (Activating enhancer-binding protein 2-beta; also TFAP2B) is a 52 kDa member of the AP-2 family of transcription factors. It is primarily a fetal-expressed protein, being found in renal and skin epithelial cells, as well as neuroblasts plus cells of the facial mesenchyme. In adults, AP-2 β is expressed in renal epithelium. Human AP-2 β is 460 amino acids (aa) in length. It contains a transactivation domain (aa 41-131), a DNA-binding motif (aa 132-298) and a C-terminal dimerization region (aa 299-439). SUMOylation occurs on Lys21, adding 15 kDa of MW in SDS-PAGE. AP-2 β both homodimerizes, and heterodimerizes with AP-2 α and -2 γ . Dimers appear important for facial and limb development.

PRODUCT SPECIFIC NOTICES

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