

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AP-2ε in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) AP-2α, rhAP-2β, rhAP-2δ, and rhAP-2γ is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human AP-2ε Ala123-Val217 Accession # Q6VUC0
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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-2ε (Activating protein 2 epsilon) is a 48 kDa member of the AP-2 transcription factor family. It is found in embryonic olfactory bulb mitral cells and adult keratinocytes and chondrocytes. In the nucleus, it presumably forms homodimers and heterodimers with other AP-2 family members. Human AP-2ε is 442 amino acids in length. It contains a Gln/Pro-rich transactivation domain (aa 22-122), a DNA binding domain (aa 216-286) and an AP-2, helix-span-helix dimerization region (aa 287-417). There is one potential alternate start site at Met09. Over aa 123-217, human AP-2ε shares 86% aa identity with mouse AP-2ε.

PRODUCT SPECIFIC NOTICES

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