Human AP-2ε Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5060

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	*E. coli*-derived recombinant human AP-2ε Ala123-Val217 Accession # Q6VUC0
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

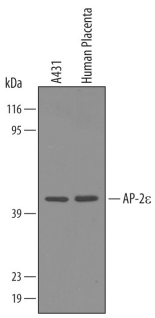
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human AP-2ε by Western Blot. Western blot shows lysates of A431 human epithelial carcinoma cell line and human placenta tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human AP-2ε Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5060) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for AP-2ε at approximately 48 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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