

DESCRIPTION

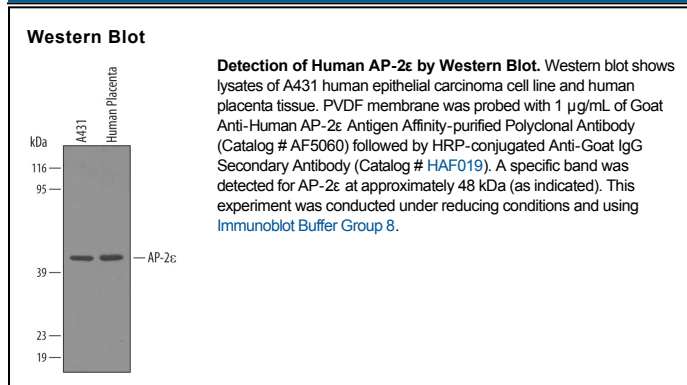
Species Reactivity	Human
Specificity	Detects human AP-2ε in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) AP-2α, rhAP-2β, rhAP-2δ, and rhAP-2γ is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human AP-2ε Ala123-Val217 Accession # Q6VUC0
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 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



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. <ul style="list-style-type: none"> ● 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.