Human AP-2γ Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5059R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AP-2γ in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) AP-2α is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human AP-2γ Leu128-Val223 Accession # Q92754
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.
Immunohistochemistry	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-2γ (Activation protein 2 gamma; also ERF-1) is a 50-55 kDa member of the AP-2 transcription factor family. It is essential for kidney development and placentation of the embryo. In the nucleus, it forms homodimers and heterodimers with other AP-2 family members. Elevated AP-2 family members are highly suggestive of neoplasia. Human AP-2γ is 450 amino acids in length. It contains a repressor SUMOylation site as Lys10, a Gln/Pro-rich transactivation domain (aa 30-119) and a helix-span-helix dimerization region (aa 293-424). One potential splice form exists that shows a four aa substitution for the N-terminal 16 aa, followed by a premature truncation after Gly130. Over aa 128-223, human AP-2γ shares 91% and 82% aa sequence identity with porcine and mouse AP-2γ, respectively.

PRODUCT SPECIFIC NOTICES

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