

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human E2F-4 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human E2F-4 Lys178-Asp306 Accession # Q16254
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

E2F-4 (viral E2-associated factor 4) is a 50 kDa member of the E2F/DP family of transcription factors. It is ubiquitously and constitutively expressed, and forms a DNA-binding E2F heterodimeric complex with DP-1. This complex, when associated with p130/RBL2 and a series of LIN-numbered proteins, represses cell cycle-dependent genes during G0 and G1. Human E2F-4 is 413 amino acids (aa) in length and contains a poly-Pro region (aa 9-12), a DNA-binding domain (aa 16-85), a dimerization segment (aa 86-181), poly-Ser region (aa 307-327), and an RBL1/RBL2 binding domain (aa 390-407). There is one potential alternate start site at Met261. Over aa 178-306, human E2F-4 shares 80% and 83% aa identity with mouse and canine E2F-4, respectively.

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