

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human E2F-2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human E2F-2 Glu308-Asn437 Accession # Q14209
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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-2 (viral E2-associated factor 2) is a 50-55 kDa member of the E2F/DP family of transcription factors. It is principally expressed by placenta, and forms a DNA-activating E2F heterodimeric complex with DP-1 or -2. This complex, when active, promotes cell cycle progression. In quiescent cells, association with the retinoblastoma-tumor suppressor gene product termed pRB suppresses its activity. Human E2F-2 is 437 amino acids (aa) in length and contains a CDK2 binding region (aa 65-105), a DNA-binding domain (aa 107-196), a dimerization segment (aa 197-289), a transactivation region (aa 359-437), and a pRB binding domain (aa 410-427). There are two potential alternate start sites at Met197 and Met342, and one splice variant that shows a two aa substitution for aa 349-437. Over aa 308-437, human E2F-2 is 72% aa identical to mouse E2F-2.

PRODUCT SPECIFIC NOTICES

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