

**DESCRIPTION**

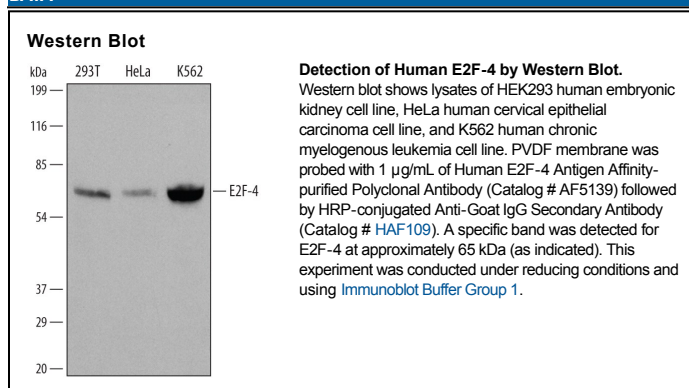
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects endogenous human E2F-4 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human E2F-4 Lys178-Asp306 Accession # Q16254
<b>Formulation</b>	Lyophilized 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.