

DESCRIPTION

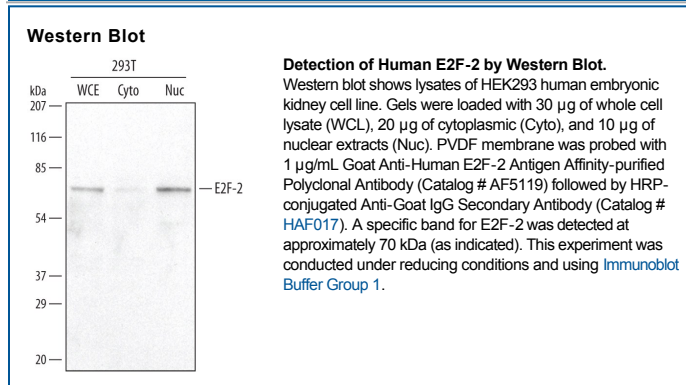
| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human E2F-2 in Western blots. |
| Source | Polyclonal Goat IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | <i>E. coli</i> -derived recombinant human E2F-2 Glu308-Asn437 Accession # Q14209 |
| 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

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.