

## Product datasheet for **TA321033**

### E2F4 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.1-0.3µg/ml
Reactivity:	Human (Expected from sequence similarity: Mouse, Dog, Pig, Cow)
Host:	Goat
Clonality:	Polyclonal
Immunogen:	internal region of NP_001941.2 (PKELSEIFDPTR)
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	E2F transcription factor 4
Database Link:	<a href="#">NP_001941</a> <a href="#">Entrez Gene 104394 Mouse</a> <a href="#">Entrez Gene 611243 Dog</a> <a href="#">Entrez Gene 1874 Human</a> <a href="#">Q16254</a>



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**Background:**

The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq, Jul 2008]

**Synonyms:**

E2F-4

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Cell cycle, TGF-beta signaling pathway

**Product images:**

E2F4 antibody (0.3ug/ml) staining of A43 (A) and HeLa (B) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.