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| <b>Catalog Number</b>        | A19579  |
| <b>Synonyms</b>              | RBP3; E2F-1; RBAP1; RBBP3; E2F1   |
| <b>Reactivity</b>            | Human,Mouse,Rat   |
| <b>Tested applications</b>   | ELISA,WB,IP   |
| <b>Host species</b>          | Rabbit  |
| <b>Background</b>            | <p>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 and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis.</p> |
| <b>Gene Id</b>               | 1869  |
| <b>Isotype</b>               | IgG   |
| <b>Purity</b>                | Affinity purification   |
| <b>Swiss Prot</b>            | Q01094  |
| <b>Recommended dilution</b>  | WB,1:500 - 1:2000 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells   |
| <b>CALCULATED MW</b>         | 47kDa   |
| <b>OBSERVED MW</b>           | 70kDa   |
| <b>IMMUNOGEN</b>             | A synthetic peptide corresponding to a sequence within amino acids 338-437 of human E2F1 (Q01094).  |
| <b>POSITIVE SAMPLES</b>      | U-87MG,HT-29,HeLa,A-431,Mouse testis,Mouse brain,Rat thymus,Rat spleen  |
| <b>CELLULAR LOCALIZATION</b> | Nucleus,  |
| <b>STORAGE BUFFER</b>        | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.   |

***FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC APPLICATIONS. READ THROUGH ALL PROCEDURES BEFORE USE.***