

## E2F-5 rabbit pAb

**Cat#: orb767913 (Manual)**

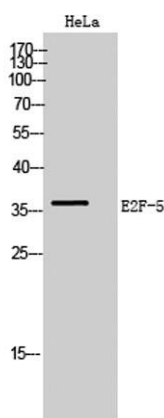
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|                                 |                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>             | E2F-5 rabbit pAb                                                                                                      |
| <b>Host species</b>             | Rabbit                                                                                                                |
| <b>Applications</b>             | WB;ELISA                                                                                                              |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat                                                                                                       |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.                                   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human E2F-5. AA range:93-142                      |
| <b>Specificity</b>              | E2F-5 Polyclonal Antibody detects endogenous levels of E2F-5 protein.                                                 |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..                                              |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.                                                                    |
| <b>Protein Name</b>             | Transcription factor E2F5                                                                                             |
| <b>Gene Name</b>                | E2F5                                                                                                                  |
| <b>Cellular localization</b>    | Nucleus.                                                                                                              |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Clonality</b>                | Polyclonal                                                                                                            |

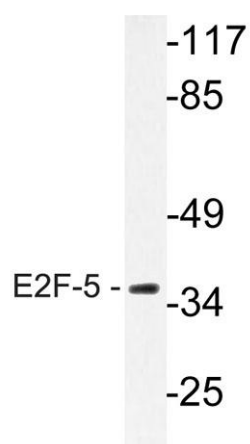
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|--------------------------------|----------------------------------------|
| <b>Concentration</b>           | 1 mg/ml                                |
| <b>Observed band</b>           | 36kD                                   |
| <b>Human Gene ID</b>           | 1875                                   |
| <b>Human Swiss-Prot Number</b> | Q15329                                 |
| <b>Alternative Names</b>       | E2F5; Transcription factor E2F5; E2F-5 |

### 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 evolutionarily conserved domains that are present 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 is differentially phosphorylated and is expressed in a wide variety of human tissues. It has higher identity to E2F4 than to other family members. Both this protein and E2F4 inter



**Western Blot analysis of HeLa cells using E2F-5 Polyclonal Antibody**



Western blot analysis of lysate from HeLa cells, using E2F-5 antibody.