

**bs-1734R****[ Primary Antibody ]****E2F5 Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

sales@bioss.com.cn

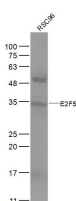
techsupport@bioss.com.cn

400-901-9800

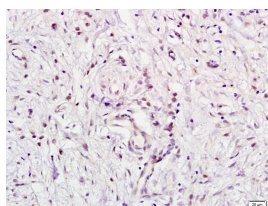
**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1875**SWISS:** Q15329**Target:** E2F5**Immunogen:** KLH conjugated synthetic peptide derived from human E2F5: 101-200/346.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

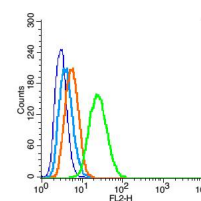
**Background:** The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins 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 interact with tumor suppressor proteins p130 and p107, but not with pRB. Alternative splicing results in multiple variants encoding different isoforms.

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1μg /test)**Reactivity:** Human, Rat  
(predicted: Mouse, Pig, Cow, Chicken, Dog, Horse)**Predicted MW.:** 37 kDa**Subcellular Location:** Nucleus**— VALIDATION IMAGES —**

Sample: RSC96(Rat) Cell Lysate at 30 ug Primary:  
Anti-E2F5 (bs-1734R) at 1/500 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 37 kD  
Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (E2F5) Polyclonal Antibody, Unconjugated (bs-1734R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA(green).

**— SELECTED CITATIONS —**

- **[IF=6.1]** Yu Yanmei. et al. Exosomes loaded with the anti-cancer molecule mir-1-3p inhibit intrapulmonary colonization

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

and growth of human esophageal squamous carcinoma cells. J TRANSL MED. 2024 Dec;22(1):1-14 WB ;Human. 39741298

- **[IF=4.088]** Lina Li. et al. E2F5 promotes proliferation and invasion of gastric cancer through directly upregulating UBE2T transcription. Digest Liver Dis. 2021 Sep; WB,IHC ;human. 34583905
- **[IF=2.15]** Zhao, Jin, et al. "Analysis of genetic aberrations on chromosomal region 8q21?C24 identifies E2F5 as an oncogene with copy number gain in prostate cancer."Medical Oncology 30.1 (2013): 1-10.. WB ;Human. 23377984