

bs-1001R**[Primary Antibody]****E2F2 Rabbit pAb****Bioss**
ANTIBODIES

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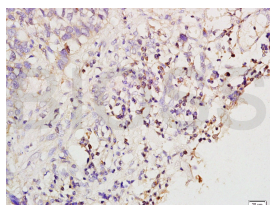
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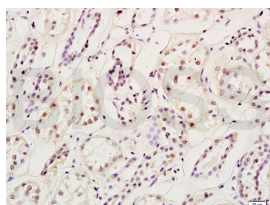
400-901-9800

— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Pig, Chicken, Dog, Horse) Predicted MW.: 48 kDa Subcellular Location: Nucleus |
| Clonality: Polyclonal | | |
| GeneID: 1870 | SWISS: Q14209 | |
| Target: E2F2 | | |
| Immunogen: KLH conjugated synthetic peptide derived from human E2F2: 101-200/443. | | |
| 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: E2F/DP family winged-helix DNA-binding domain. This family contains the transcription factor E2F and its dimerisation partners TDP1 and TDP2, which stimulate E2F-dependent transcription. E2F binds to DNA as a homodimer or as a heterodimer in association with TDP1/2, the heterodimer having increased binding efficiency. The crystal structure of an E2F4-DP2-DNA complex shows that the DNA-binding domains of the E2F and DP proteins both have a fold related to the winged-helix DNA-binding motif. Recognition of the central c/gGCGCg/c sequence of the consensus DNA-binding site is symmetric, and amino acids that contact these bases are conserved among all known E2F and DP proteins. | | |

— VALIDATION IMAGES —

Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-E2F2 Polyclonal Antibody, Unconjugated(bs-1001R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human esophageal cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-E2F2 Polyclonal Antibody, Unconjugated(bs-1001R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining