bs-23184R **[Primary Antibody]**

E2F1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1869 **SWISS:** Q01094

Target: E2F1

Immunogen: KLH conjugated synthetic peptide derived from human E2F1: 221-320/437.

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's are DNA binding proteins, which associate with negative regulators, such as the retinoblastoma p107 protein, resulting in an altered rate of gene transcription. 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. E2F1 is proposed to be involved in several cellular processes that range from tumor suppressor, cell progression and oncogenesis. E2F1 overexpression can also drive cells into apoptosis.

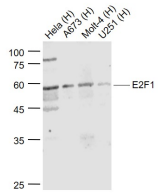
Applications: **WB** (1:500-2000)

Reactivity: Human, Rat
(predicted: Mouse, Rabbit)

Predicted MW.: 46 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Hela (Human) Cell Lysate at 30 ug Lane 2: A673 (Human) Cell Lysate at 30 ug Lane 3: Molt-4 (Human) Cell Lysate at 30 ug Lane 4: U251 (Human) Cell Lysate at 30 ug Primary: Anti-E2F1 (bs-23184R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55-60 kD Observed band size: 58 kD

SELECTED CITATIONS

- **[IF=5.652]** Haijun Sun. et al. WD Repeat Domain 43 promotes malignant progression of non-small cell lung cancer by regulating CDK2. INT J BIOCHEM CELL B. 2022 Aug;:106293 WB ;Human. 10.1016/j.biocel.2022.106293
- **[IF=4.315]** Xiaoling Xu. et al. ATPR regulates human mantle cell lymphoma cells differentiation via SOX11/CyclinD1/Rb/E2F1. Cell Signal. 2022 Feb;:110280 WB ;Human. 35151831