

# Anti-E2F4 Antibody [PSH0-45] - BSA and Azide free

## HA750625



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 44 kDa
<b>Clone number:</b>	PSH0-45

**Description:** Transcription factor E2F4 is a protein that in humans is encoded by the E2F4 gene. 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. This protein binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer.

**Immunogen:** Synthetic peptide within human E2F4 aa 21-80 / 413.

**Positive control:** 293T cell lysate, Raji cell lysate, HeLa cell lysate, Jurkat cell lysate.

**Subcellular location:** Nucleus.

**Database links:** SwissProt: Q16254 Human

**Recommended Dilutions:**

**WB** 1:1,000

**Storage Buffer:** 1\*PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

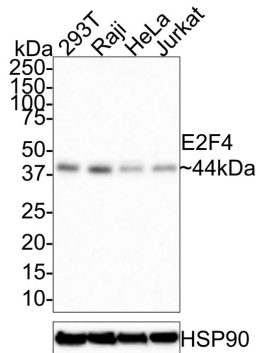
Service mail:support@huabio.cn

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## Images

**Fig1:** Western blot analysis of E2F4 on different lysates with Rabbit anti-E2F4 antibody (HA750625) at 1/1,000 dilution.

Lane 1: 293T cell lysate  
Lane 2: Raji cell lysate  
Lane 3: HeLa cell lysate  
Lane 4: Jurkat cell lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 44 kDa  
Observed band size: 44 kDa

Exposure time: 10 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA750625) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:100,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Xiao W et al. Therapeutic targeting of the USP2-E2F4 axis inhibits autophagic machinery essential for zinc homeostasis in cancer progression. *Autophagy*. 2022 Nov
2. Wang Y et al. Unveiling E2F4, TEAD1 and AP-1 as regulatory transcription factors of the replicative senescence program by multi-omics analysis. *Protein Cell*. 2022 Oct

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