

Anti-Phospho-Rb (S780) Antibody [JE44-61]

HA721513



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 106 kDa
Clone number:	JE44-61

Description: The retinoblastoma protein (protein name abbreviated Rb; gene name abbreviated Rb, RB or RB1) is a tumor suppressor protein that is dysfunctional in several major cancers. One function of pRb is to prevent excessive cell growth by inhibiting cell cycle progression until a cell is ready to divide. When the cell is ready to divide, pRb is phosphorylated, inactivating it, and the cell cycle is allowed to progress. It is also a recruiter of several chromatin remodeling enzymes such as methylases and acetylases. pRb belongs to the pocket protein family, whose members have a pocket for the functional binding of other proteins. Should an oncogenic protein, such as those produced by cells infected by high-risk types of human papillomavirus, bind and inactivate pRb, this can lead to cancer. The RB gene may have been responsible for the evolution of multicellularity in several lineages of life including animals.

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding Ser780 of human Rb protein.

Positive control: Jurkat serum starved for 24 hours then 10% FBS incubated for 20 hours whole cell lysate.

Subcellular location: Nucleus.

Database links: SwissProt: P06400 Human | P13405 Mouse | P33568 Rat

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

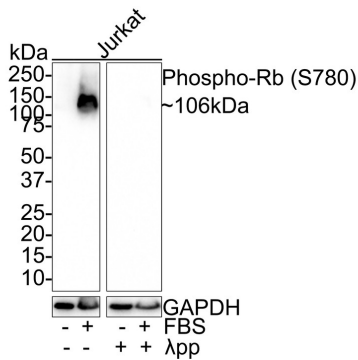
Technical:0086-571-89986345

Service mail:support@huabio.cn

 华安生物
HUABIO
www.huabio.cn

Images

Fig1: Western blot analysis of Phospho-Rb (S780) on different lysates with Rabbit anti-Phospho-Rb (S780) antibody (HA721513) at 1/1,000 dilution.



Lane 1: Jurkat serum starved for 44 hours whole cell lysate
 Lane 2: Jurkat serum starved for 24 hours then 10% FBS incubated for 20 hours whole cell lysate
 Lane 3: Jurkat serum starved for 44 hours then treated with λ pp for 1 hour whole cell lysate
 Lane 4: Jurkat serum starved for 24 hours then 10% FBS incubated for 20 hours then treated with λ pp for 1 hour whole cell lysate

Lysates/proteins at 20 μ g/Lane.

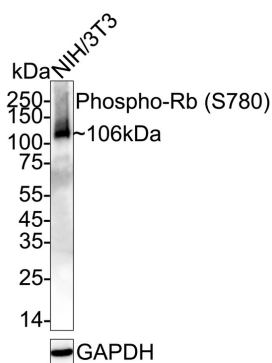
Predicted band size: 106 kDa
 Observed band size: 106 kDa

Exposure time: 1 minute 59 seconds;

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 (HA721513) 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.

Fig2: Western blot analysis of Phospho-Rb (S780) on NIH/3T3 cell lysates with Rabbit anti-Phospho-Rb (S780) antibody (HA721513) at 1/1,000 dilution.



Lysates/proteins at 20 μ g/Lane.

Predicted band size: 106 kDa
 Observed band size: 106 kDa

Exposure time: 3 minutes; ECL: K1802;

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 (HA721513) at 1/1,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

华安生物
 HUABIO
 www.huabio.cn

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

Background References

1. Linn P et al. Targeting RB1 Loss in Cancers. *Cancers (Basel)*. 2021 Jul
2. Yao Y et al. Novel insights into RB1 mutation. *Cancer Lett*. 2022 Oct

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

 华安生物
HUABIO
www.huabio.cn