# [KO Validated] VRK1 Rabbit pAb

Catalog No.: A7745 KO Validated 4 Publications



## **Basic Information**

#### **Observed MW**

45kDa

#### **Calculated MW**

45kDa

#### Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

## **Background**

This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL.

Please optimize the

concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID Swiss Prot** 7443 Q99986

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

PCH1; PCH1A; K1

## **Contact**

<b>a</b>	400-999-6126
×	cn.market@abclonal.com.cn
$\overline{a}$	www.abclonal.com.cn

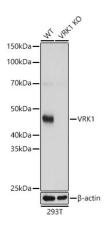
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from wild type(WT) and VRK1 knockout (KO) 293T cells, using [KO Validated] VRK1 Rabbit pAb (A7745) at 1:500 dilution.

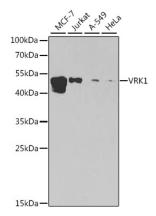
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



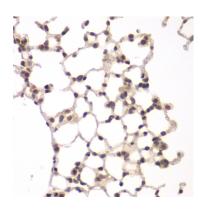
Western blot analysis of various lysates using [KO Validated] VRK1 Rabbit pAb (A7745) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

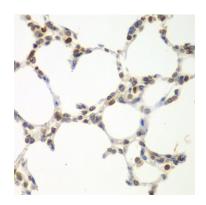
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 90s.



Immunohistochemistry analysis of paraffinembedded Rat lung using [KO Validated] VRK1 Rabbit pAb (A7745) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse lung using [KO Validated] VRK1 Rabbit pAb (A7745) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.