

## VRK1 polyclonal antibody

Catalog: BS71442

Host: Rabbit

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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

Q99986

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

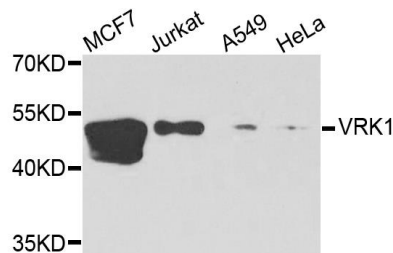
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

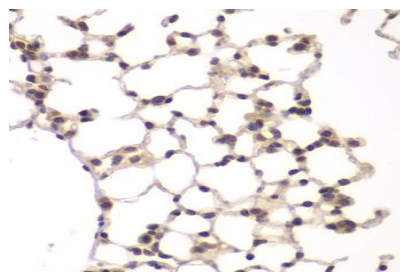
### Specificity:

VRK1 polyclonal antibody detects endogenous levels of VRK1 protein.

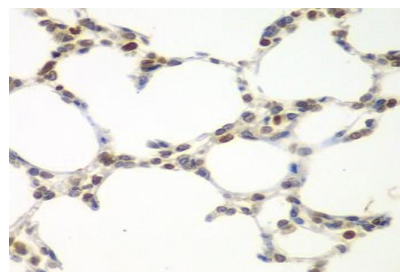
### DATA:



Western blot analysis of extracts of various cells, using VRK1 antibody.



Immunohistochemistry of paraffin-embedded rat lung using VRK1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using VRK1 antibody at dilution of 1:100 (40x lens).

### Note:

For research use only, not for use in diagnostic procedure.

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