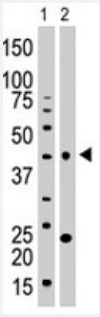
VRK1 polyclonal antibody

Catalog # PAB2882 Size 400 uL

Applications



Western Blot

The VRK1 polyclonal antibody (Cat # PAB2882) is used in Western blot to detect VRK1 in mouse lung tissue lysate (Lane 1) and HL-60 cell lysate (Lane 2) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of VRK1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human VRK1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — VRK1

Entrez GeneID	7443
Protein Accession#	Q99986
Gene Name	VRK1
Gene Alias	MGC117401, MGC138280, MGC142070
Gene Description	vaccinia related kinase 1
Omim ID	602168
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	vaccinia virus B1R-related kinase 1|vaccinia-related kinase-1

Publication Reference

- Identification of two novel human putative serine/threonine kinases, VRK1 and VRK2, with structural similarity to vaccinia virus B1R kinase.

  Nezu J, Oku A, Jones MH, Shimane M.

  Genomics 1997 Oct; 45(2):327.