

Rabbit anti-Human VRK1 Polyclonal Antibody | anti-VRK1 antibody

Rabbit anti-VRK1 Antibody, Affinity Purified

CATALOG # AAA213183	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

VRK1; Polyclonal Antibody; Rabbit anti-VRK1 Antibody; Affinity Purified; PCH1A; vaccinia virus B1R-related kinase 1; Vaccinia-related kinase 1; PCH1; serine/threonine-protein kinase VRK1; vaccinia related kinase 1; Serine/threonine-protein kinase VRK1; VRK serine/threonine kinase 1; anti-VRK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-VRK1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 346 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human VRK1 by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-VRK1 antibody AAA213183 (lot AAA213183-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human VRK1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-VRK1 antibody AAA213183 (lot AAA213183-1) used for IP at 6 ug per reaction. VRK1 was also immunoprecipitated by rabbit anti-VRK1 antibody For blotting immunoprecipitated VRK1, AAA213183 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-VRK1 antibody

Vaccinia-related kinase 1 is a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. VRK1 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 protein, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN [taken from NCBI Entrez Gene (Gene ID: 7443)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507903
NCBI GeneID	7443
NCBI Accession #	NP_003375.1
NCBI GenBank Nucleotide #	NM_003384.2
UniProt Accession #	Q99986; Q3SYL2
Molecular Weight	45,476 Da
NCBI Official Full Name	serine/threonine-protein kinase VRK1
NCBI Official Synonym Full Names	vaccinia related kinase 1
NCBI Official Symbol	VRK1
NCBI Official Synonym Symbols	PCH1; PCH1A
NCBI Protein Information	serine/threonine-protein kinase VRK1
UniProt Protein Name	Serine/threonine-protein kinase VRK1
UniProt Gene Name	VRK1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vrk1-antibody-immunoprecipitation-western-blot-elisa/213183>