

Rabbit anti-Human VRK2 Polyclonal Antibody | anti-VRK2 antibody

Anti-VRK2 Antibody Picoband

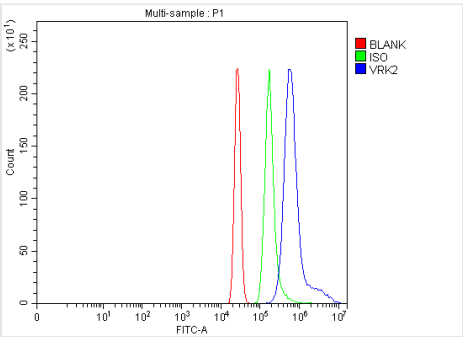
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126404	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

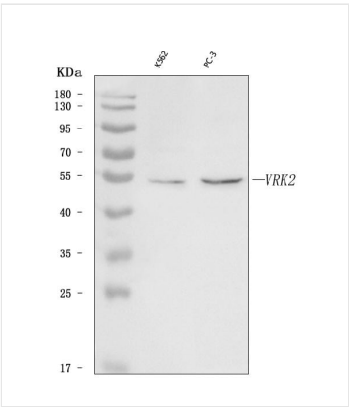
VRK2; Polyclonal Antibody; Anti-VRK2 Antibody Picoband; anti-VRK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-VRK2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human VRK2 recombinant protein (Position: K19-R491).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HL-60 cells using anti-VRK2 antibody (AAA126404).Overlay histogram showing HL-60 cells stained with AAA126404 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-VRK2 Antibody (AAA126404, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of VRK2 using anti-VRK2 antibody (AAA126404).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: human PC-3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-VRK2 antigen affinity purified polyclonal antibody (#AAA126404) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for VRK2 at approximately 50 kDa. The expected band size for VRK2 is at 58 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-VRK2 antibody	Serine/threonine-protein kinase VRK2 is an enzyme that in humans is encoded by the VRK2 gene. This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. The encoded protein acts as an effector of signaling pathways that regulate apoptosis and tumor cell growth. Variants in this gene have been associated with schizophrenia. Alternative splicing results in multiple transcript variants that differ in their subcellular localization and biological activity.
Product Categories/Family for anti-VRK2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	194440707
NCBI GeneID	7444
NCBI Accession #	NP_001123952.1
NCBI GenBank Nucleotide #	NM_001130480.2
UniProt Accession #	Q86Y07; Q49AK9; Q53EU9; Q53S39; Q53S77; Q53TU1; Q86Y08; Q86Y09; Q86Y10; B4DKL0; D6W5D4; D6W5D6
Molecular Weight	58,141 Da
NCBI Official Full Name	serine/threonine-protein kinase VRK2 isoform 1
NCBI Official Synonym Full Names	vaccinia related kinase 2
NCBI Official Symbol	VRK2
NCBI Protein Information	serine/threonine-protein kinase VRK2; vaccinia virus B1R-related kinase 2
UniProt Protein Name	Serine/threonine-protein kinase VRK2
UniProt Gene Name	VRK2

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/vrk2-antibody-flow-cytometry-western-blot-elisa/126404>