

## Mouse anti-Human VRK2 Monoclonal Antibody | anti-VRK2 antibody

VRK2 (Vaccinia-related Kinase 2, Serine/threonine-protein Kinase VRK2) (AP)

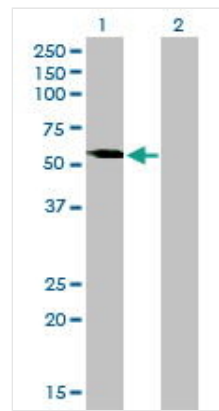
|                              |                      |                            |                                            |
|------------------------------|----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA24406</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|------------------------------|----------------------|----------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

VRK2; Monoclonal Antibody; VRK2 (Vaccinia-related Kinase 2; Serine/threonine-protein Kinase VRK2) (AP); EC=2.7.11.1; anti-VRK2 antibody

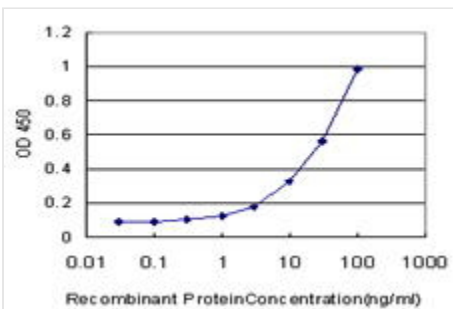
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                            |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                            |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                       |
| Isotype                                        | IgG1,k                                                                                                                                                                                                                                                                                                           |
| Clone Number                                   | 3B10                                                                                                                                                                                                                                                                                                             |
| Specificity                                    | Recognizes human VRK2.                                                                                                                                                                                                                                                                                           |
| Purity/Purification                            | Purified by Protein A Affinity Chromatography.                                                                                                                                                                                                                                                                   |
| Form/Format                                    | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).                                                                                                                                                                                                              |
| Sequence Length                                | 1975                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-VRK2 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                         |
| Application Notes                              | Applications are based on unconjugated antibody.                                                                                                                                                                                                                                                                 |
| Immunogen                                      | Partial recombinant corresponding to aa260-360 from human VRK2 (AAH27854) with GST tag. MW of the GST tag alone is 26kD.                                                                                                                                                                                         |
| Immunogen Sequence                             | VQTAKTNLLDELPQSVLKWAPSGSSCEIAQFLVCAHSLAYDEKPNYQALKILNPHGIPLGPLDFSTKGQSINVHTPNSQKVDSQKAATKQVNKAHNRLI                                                                                                                                                                                                              |
| Conjugate                                      | AP                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                        | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |



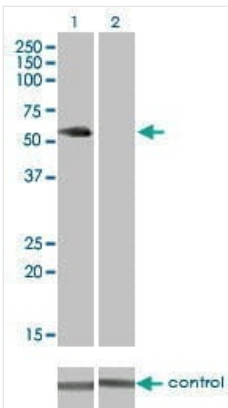
WB (Western Blot)

Western Blot analysis of VRK2 expression in transfected 293T cell line by VRK2 monoclonal antibody Lane 1: VRK2 transfected lysate (58.1kD). Lane 2: Non-transfected lysate.



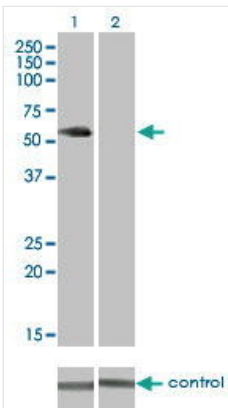
Application Data

Detection limit for recombinant GST tagged VRK2 is ~1ng/ml as a capture antibody.



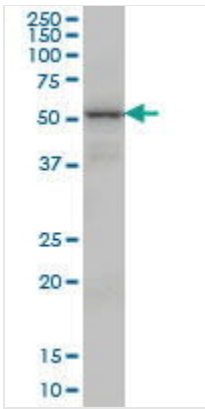
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to VRK2 on HeLa cell. [antibody concentration 10ug/ml]



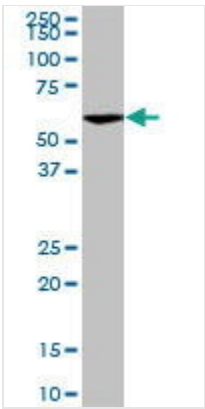
WB (Western Blot)

Western blot analysis of VRK2 over-expressed 293 cell line, cotransfected with VRK2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with VRK2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



WB (Western Blot)

VRK2 monoclonal antibody, Western Blot analysis of VRK2 expression in K-562.



WB (Western Blot)

VRK2 monoclonal antibody, Western Blot analysis of VRK2 expression in U-2 OS.

ADDITIONAL INFORMATION

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| Product Categories/Family for anti-VRK2 antibody | Antibodies; Protein Kinases |
|--------------------------------------------------|-----------------------------|

NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 20379749 |
|-----------|----------|

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GeneID                      | 7444                                         |
| NCBI Official Full Name          | Homo sapiens vaccinia related kinase 2, mRNA |
| NCBI Official Synonym Full Names | VRK serine/threonine kinase 2                |
| NCBI Official Symbol             | VRK2                                         |
| NCBI Protein Information         | serine/threonine-protein kinase 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/monoclonal/vrk2-antibody-clone-3b10-western-blot-elisa/24406>