

## Mouse PLK1 Monoclonal Antibody | anti-PLK1 antibody

PLK1 antibody

|                               |                      |                                                           |
|-------------------------------|----------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA108105</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|----------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

PLK1; Monoclonal Antibody; PLK1 antibody; Monoclonal PLK1; Anti-PLK1; Polo-Like Kinase 1; PLK; STPK13; PLK 1; PLK-1; anti-PLK1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                            |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                       |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                             |
| Clone Number                                   | 3F12                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                            | PLK1 antibody was purified by affinity chromatography.                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                                                                                                          |
| Concentration                                  | 500 ug-1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                | 603                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-PLK1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                    |
| Biological Significance                        | Serine/threonine-protein kinase that performs several important functions throughout M phase of the cell cycle, including the regulation of centrosome maturation and spindle assembly, the removal of cohesins from chromosome arms, the in activation of APC/C inhibitors, and the regulation of mitotic exit and cytokinesis. |
| Cross-Reactivity                               | Human                                                                                                                                                                                                                                                                                                                            |
| Immunogen                                      | PLK1 antibody was raised in mouse using a protein expressed in 293T cell transfected with human PLK1 expression vector as the immunogen.                                                                                                                                                                                         |
| Preparation and Storage                        | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of PLK1 protein in paraffin embedded Human liver tissue using PLK1 antibody



#### WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PLK1 protein (Right) or empty vector (Left) detected with PLK1 antibody



#### FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant PLK1 protein (red) or empty vector (blue) stained using PLK1 antibody

### ADDITIONAL INFORMATION

|                                                    |                                |
|----------------------------------------------------|--------------------------------|
| Related Product Information for anti-PLK1 antibody | Mouse monoclonal PLK1 antibody |
| Product Categories/Family for anti-PLK1 antibody   | <a href="#">Cell Biology</a>   |

### NCBI AND UNIPROT INFORMATION

|                         |                           |
|-------------------------|---------------------------|
| NCBI GI #               | <a href="#">649151110</a> |
| NCBI Official Full Name | PLK1, partial             |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/plk1-antibody-clone-3f12-western-blot-immunohistochemistry-elisa/108105>