

## Mouse anti-Human CDKN1B Monoclonal Antibody | anti-CDKN1B antibody

CDKN1B (Cyclin-dependent Kinase Inhibitor 1B, Cyclin-dependent Kinase Inhibitor p27, p27Kip1, KIP1) (MaxLight 750)

|                              |                      |                            |                                                                               |
|------------------------------|----------------------|----------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA26699</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|----------------------|----------------------------|-------------------------------------------------------------------------------|

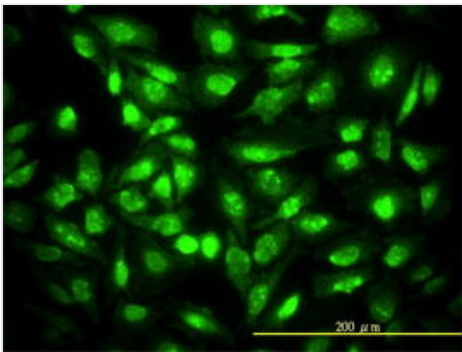
### PRODUCT SYNONYMS

CDKN1B; Monoclonal Antibody; CDKN1B (Cyclin-dependent Kinase Inhibitor 1B; Cyclin-dependent Kinase Inhibitor p27; p27Kip1; KIP1) (MaxLight 750); anti-CDKN1B antibody

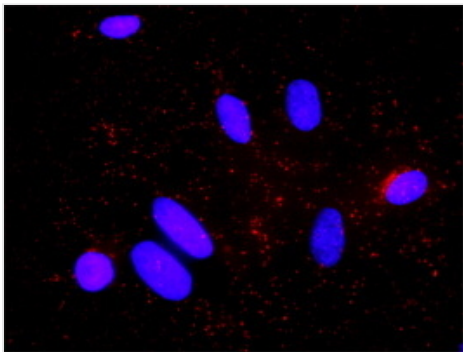
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                |
| Reactivity                                       | Human                                                                                                                                                                                                                                |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                           |
| Isotype                                          | IgG1,k                                                                                                                                                                                                                               |
| Clone Number                                     | 4B4-E6                                                                                                                                                                                                                               |
| Specificity                                      | Recognizes human CDKN1B.                                                                                                                                                                                                             |
| Purity/Purification                              | Purified by Protein A Affinity Chromatography.                                                                                                                                                                                       |
| Form/Format                                      | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.                                                                                                                                                |
| Applicable Applications for anti-CDKN1B antibody | FLISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                        |
| Application Notes                                | IF: 10ug/ml<br>Applications are based on unconjugated antibody.                                                                                                                                                                      |
| Immunogen                                        | Full length recombinant protein corresponding to aa1-198 from human CDKN1B (BC001971, AAH01971) with GST tag. MW of the GST tag alone is 26                                                                                          |
| Immunogen Sequence                               | MSNVRVSNNGSPSLERMDARQAEHPKPSACRNLFPGVDHEELTRDLEKHCRDMEEASQRKWNFDFQNHKPLEGKYEWQEVEKGSLEPFYRPPRPK                                                                                                                                      |
| Conjugate                                        | MaxLight750                                                                                                                                                                                                                          |
| Preparation and Storage                          | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo<br>recovery of product, centrifuge the original vial prior to removing the cap. |

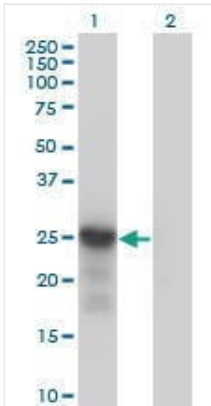
IMAGES



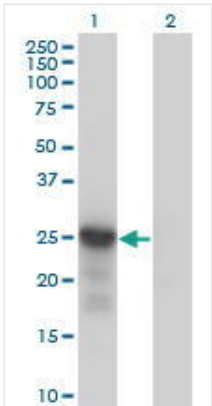
**IF (Immunofluorescence)**  
Immunofluorescence to CDKN1B on HeLa cell using 124808 (10ug/ml).



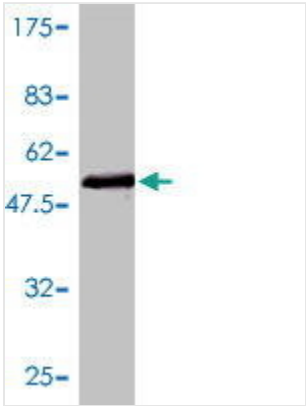
**Application Data**  
Proximity Ligation Analysis (PLA) of protein-protein interactions between AKT1 and CDKN1B  
HeLa cells were stained with AKT1 rabbit purified polyclonal (1:1200) and 124808 (1:50).  
Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



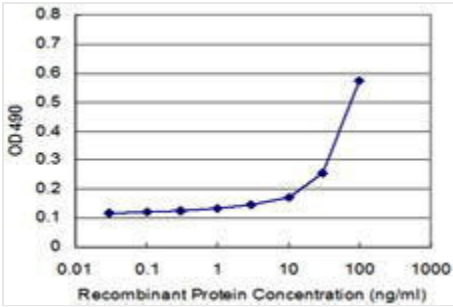
**IHC (Immunohistochemistry)**  
Immunoperoxidase to CDKN1B on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma tissue using 124808 (5ug/ml).



**WB (Western Blot)**  
Western Blot analysis of CDKN1B expression in transfected 293T cell line by 124808 Lane 1: CDKN1B transfected lysate (22.1kD). Lane 2: Non-transfected lysate.



**WB (Western Blot)**  
Western Blot detection against Immunogen (47.89kD).



**Application Data**  
Detection limit for 124808 is 10ng/ml as a capture antibody.

ADDITIONAL INFORMATION

|                                                    |                             |
|----------------------------------------------------|-----------------------------|
| Product Categories/Family for anti-CDKN1B antibody | Antibodies; Protein Kinases |
|----------------------------------------------------|-----------------------------|

NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 12805034 |
|-----------|----------|

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GeneID                      | 1027                                                                |
| Molecular Weight                 | 22,073 Da                                                           |
| NCBI Official Full Name          | Homo sapiens cyclin-dependent kinase inhibitor 1B (p27, Kip1), mRNA |
| NCBI Official Synonym Full Names | cyclin dependent kinase inhibitor 1B                                |
| NCBI Official Symbol             | CDKN1B                                                              |
| NCBI Official Synonym Symbols    | KIP1; MEN4; CDKN4; MEN1B; P27KIP1                                   |
| NCBI Protein Information         | cyclin-dependent kinase inhibitor 1B                                |

**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://www.aaabiotech.com/monoclonal/cdkn1b-antibody-clone-4b4-e6-immunofluorescence-immunohistochemistry-western-blot-elisa/26699>