

# beta 2 Microglobulin Antibody

Rabbit mAb

Catalog # AP90373

## Product Information

|                          |  |
|--------------------------|--|
| <b>Application</b>       | WB, IF, ICC, IP  |
| <b>Primary Accession</b> | <a href="#">P61769</a>   |
| <b>Reactivity</b>        | Rat, Human, Mouse  |
| <b>Clonality</b>         | Monoclonal   |
| <b>Other Names</b>       | B2MG; Beta 2 microglobin; Beta 2 microglobulin; Beta-2-microglobulin form pI 5.3; CDABP0092; Hdcma22p; |
| <b>Isotype</b>           | Rabbit IgG   |
| <b>Host</b>              | Rabbit   |
| <b>Calculated MW</b>     | 13715  |

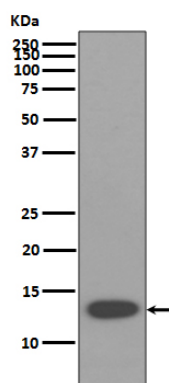
## Additional Information

|                                     |  |
|-------------------------------------|--|
| <b>Dilution</b>                     | WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:30  |
| <b>Purification</b>                 | Affinity-chromatography  |
| <b>Immunogen</b>                    | A synthesized peptide derived from human beta 2 Microglobulin  |
| <b>Description</b>                  | Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an a heavy chain that contains three subdomains ( $\alpha 1$ , $\alpha 2$ , $\alpha 3$ ), and a non-covalent associating light chain, known as $\beta$ -2-Microglobulin. |
| <b>Storage Condition and Buffer</b> | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

## Protein Information

|                          |  |
|--------------------------|--|
| <b>Name</b>              | B2M ( <a href="#">HGNC:914</a> )   |
| <b>Function</b>          | Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not change), probably leading to defects in class I antigen presentation (PubMed: <a href="#">25356553</a> ). |
| <b>Cellular Location</b> | Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269 PubMed:7554280, ECO:0000269 Ref.6}   |

## Images



Western blot analysis of beta 2 Microglobulin expression in U937 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.