

**beta 2 Microglobulin Antibody**  
Rabbit mAb  
Catalog # AP90373**Specification****beta 2 Microglobulin Antibody - Product Information**

Application	WB, ICC, IP
Primary Accession	<a href="#">P61769</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

B2MG; Beta 2 microglobin; Beta 2 microglobulin; Beta-2-microglobulin form pI 5.3; CDABP0092; Hdcma22p;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	13715 Da

**beta 2 Microglobulin Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human beta 2 Microglobulin
Description	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.
Storage Condition and Buffer	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.

**beta 2 Microglobulin Antibody - Protein Information**

Name B2M ([HGNC:914](#))

**Function**

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="http://www.uniprot.org/citations/25356553" target="\_blank">25356553</a>).

### Cellular Location

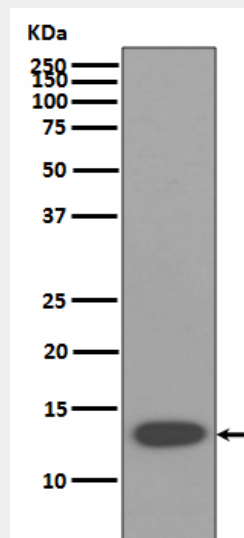
Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280).  
{ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

### beta 2 Microglobulin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### beta 2 Microglobulin Antibody - Images



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