

**KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1534****Specification****KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal Antibody - Product Information**

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Application       | WB                                                                                        |
| Primary Accession | <a href="#">P61769</a>                                                                    |
| Reactivity        | Rat, Human, Mouse                                                                         |
| Clonality         | Monoclonal                                                                                |
| Isotype           | Rabbit IgG                                                                                |
| Calculated MW     | Predicted, 14 kDa , observed, 14 kDa                                                      |
| Gene Name         | B2M                                                                                       |
| Aliases           | B2M; Beta-2-Microglobulin; Beta Chain Of MHC Class I Molecules; Beta-2-Microglobin; IMD43 |
| Immunogen         | A synthesized peptide derived from human beta 2 Microglobulin                             |

**KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal Antibody - Additional Information**

|                                                                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Gene ID                                                                                                                                                              | 567 |
| <b>Other Names</b>                                                                                                                                                   |     |
| Beta-2-microglobulin, Beta-2-microglobulin form pI 5.3, B2M (<a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=914" target="_blank">HGNC:914</a>) |     |

**KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal 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**

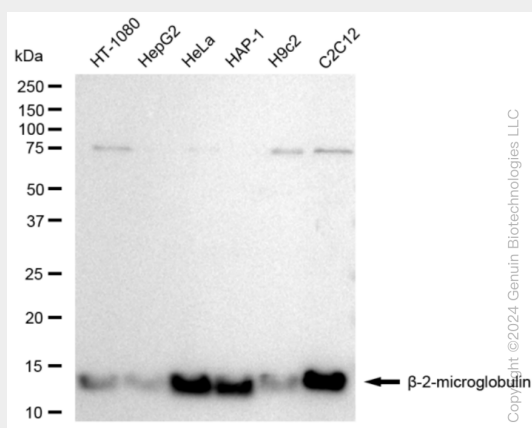
Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

**KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal Antibody - Protocols**

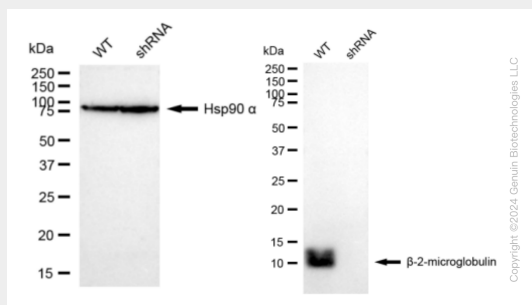
Provided below are standard protocols that you may find useful for product applications.

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

## KD-Validated Anti-beta 2 Microglobulin Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-beta-2-microglobulin antibody (Cat#AGI1534). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-beta-2-microglobulin antibody (Cat#AGI1534, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-beta 2 Microglobulin antibody (Cat#AGI1534). Beta 2 Microglobulin expression in wild type (WT) and beta 2 Microglobulin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-beta 2 Microglobulin antibody (Cat#AGI1534, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.