

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	P61769
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-Microglobulin; 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
Other Names	
Beta-2-microglobulin, Beta-2-microglobulin form pI 5.3, B2M (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=914)	
target="_blank">HGNC:914)	

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

Cellular Location

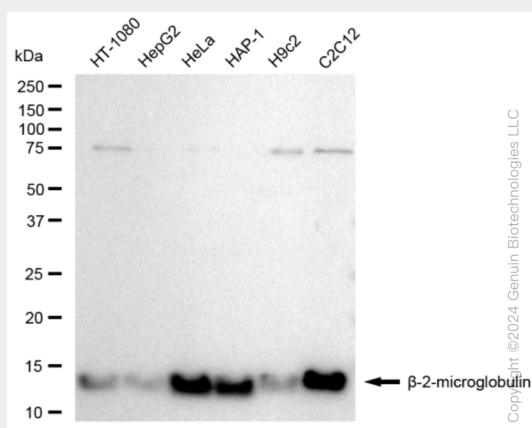
Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

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

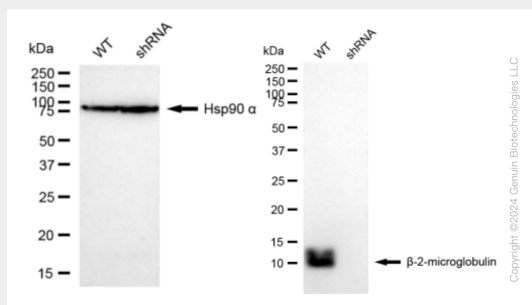
Provided below are standard protocols that you may find useful for product applications.

- [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.