

**beta-2-microglobulin (aa65-79) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3769a

### Specification

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#### beta-2-microglobulin (aa65-79) Antibody (internal region) - Product Information

Application	WB
Primary Accession	<a href="#">P61769</a>
Other Accession	<a href="#">NP_004039.1</a> , <a href="#">567</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	13715

#### beta-2-microglobulin (aa65-79) Antibody (internal region) - Additional Information

Gene ID 567

#### Other Names

Beta-2-microglobulin, Beta-2-microglobulin form pl 5.3, B2M

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

beta-2-microglobulin (aa65-79) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### beta-2-microglobulin (aa65-79) Antibody (internal region) - 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 (aa65-79) Antibody (internal region) - 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 (aa65-79) Antibody (internal region) - Images**



AF3769a (0.03 µg/ml) staining of Human Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **beta-2-microglobulin (aa65-79) Antibody (internal region) - References**

Beta 2 microglobulin and the risk for cardiovascular events in patients with asymptomatic carotid atherosclerosis. Amighi J, Hoke M, Mlekusch W, Schlager O, Exner M, Haumer M, Pernicka E, Koppensteiner R, Minar E, Rumpold H, Schillinger M, Wagner O. Stroke. 2011 Jul;42(7):1826-33. PMID: 21546482