

## Product datasheet

# Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free ab212756

[7 Images](#)

### Overview

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<b>Product name</b>	Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [B2M/961] to beta 2 Microglobulin - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Non human primates
<b>Immunogen</b>	Recombinant full length protein corresponding to Human beta 2 Microglobulin aa 1-119. Database link: <a href="#">P61769</a>
<b>Positive control</b>	Human cervical carcinoma, melanoma, endometrial carcinoma, renal carcinoma, bladder carcinoma and colon carcinoma tissues; Lymphoma; HL-60 or HeLa cells
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from bioreactor concentrate.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B2M/961

<b>Isotype</b>	IgG2b
<b>Light chain type</b>	kappa

## Applications

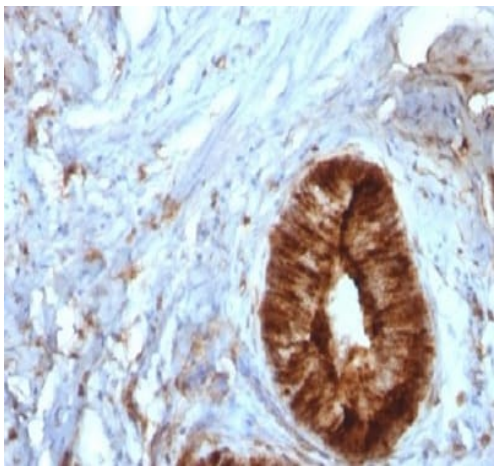
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab212756 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. 30 minutes at room temperature.

## Target

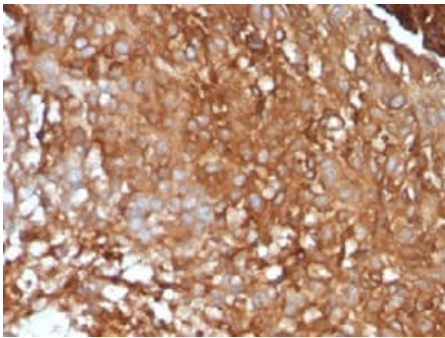
<b>Function</b>	Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system.
<b>Involvement in disease</b>	Defects in B2M are the cause of hypercatabolic hypoproteinemia (HYCATHYP) [MIM:241600]. Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation. Note=Beta-2-microglobulin may adopt the fibrillar configuration of amyloid in certain pathologic states. The capacity to assemble into amyloid fibrils is concentration dependent. Persistently high beta(2)-microglobulin serum levels lead to amyloidosis in patients on long-term hemodialysis.
<b>Sequence similarities</b>	Belongs to the beta-2-microglobulin family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	Glycation of Ile-21 is observed in long-term hemodialysis patients.
<b>Cellular localization</b>	Secreted. Detected in serum and urine.

## Images



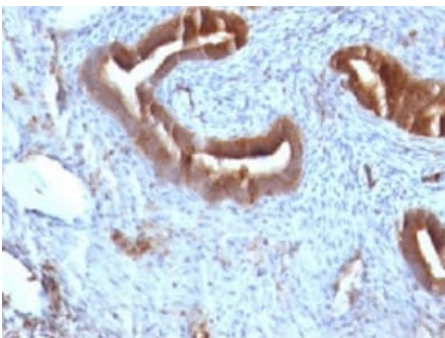
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human cervical carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.



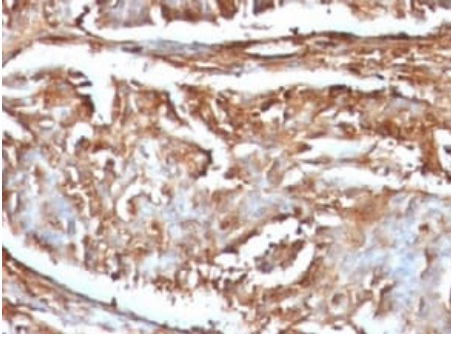
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human melanoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.



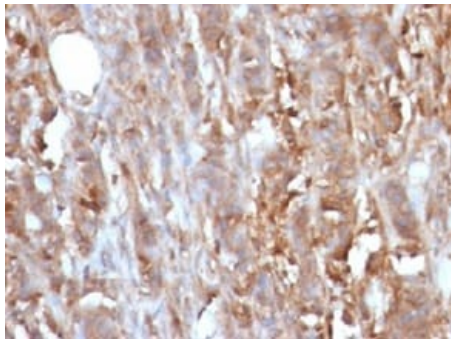
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human endometrial carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.



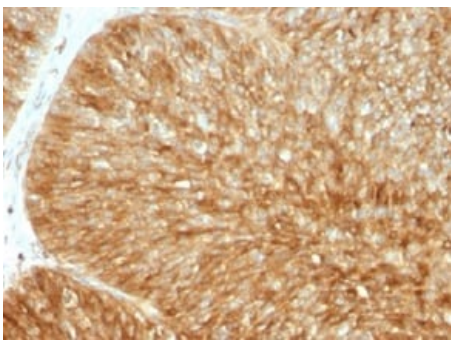
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human renal carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.



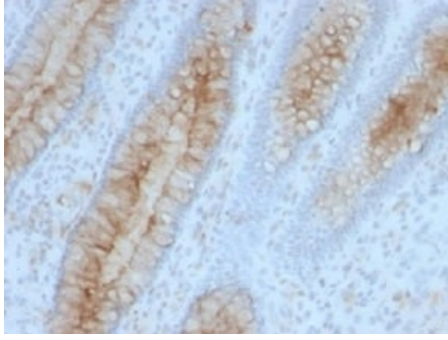
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of paraffin embedded, formalin fixed human cervical carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/ml dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

Immunohistochemical analysis of formalin fixed, paraffin embedded Human bladder carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.



Immunohistochemical analysis of formalin fixed, paraffin embedded Human colon carcinoma tissue labeling beta 2 Microglobulin with ab212756 at 1 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/961] - BSA and Azide free (ab212756)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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