




## Product datasheet

# Anti-beta 2 Microglobulin antibody [B2M/1857R] - BSA and Azide free ab236429

Recombinant

[2 Images](#)

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-beta 2 Microglobulin antibody [B2M/1857R] - BSA and Azide free   |
| <b>Description</b>         | Rabbit monoclonal [B2M/1857R] to beta 2 Microglobulin - BSA and Azide free  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Chimpanzee, Cynomolgus monkey, Gorilla, Orangutan                                      |
| <b>Immunogen</b>           | Recombinant full length protein corresponding to Human beta 2 Microglobulin aa 1 to the C-terminus.<br>Database link: <a href="#">P61769</a>  |
|                            |  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> |
| <b>Positive control</b>    | IHC-P: Human bladder carcinoma tissue.  |

### Properties

|                             |   |
|-----------------------------|---|
| <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<br>Constituent: PBS   |
| <b>Carrier free</b>         | Yes   |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | B2M/1857R   |
| <b>Isotype</b>              | IgG   |

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236429 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.<br>Primary incubation for 30 minutes at room temperature. |

## Target

### Function

Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system.

### Involvement in disease

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.

### Sequence similarities

Belongs to the beta-2-microglobulin family.

Contains 1 Ig-like C1-type (immunoglobulin-like) domain.

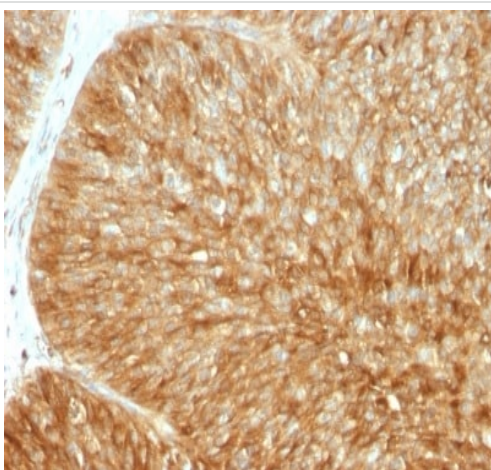
### Post-translational modifications

Glycation of Ile-21 is observed in long-term hemodialysis patients.

### Cellular localization

Secreted. Detected in serum and urine.

## Images



Formalin-fixed, paraffin-embedded human bladder carcinoma tissue stained for beta 2 Microglobulin using **ab234410** at 1 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab234410**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-beta 2 Microglobulin antibody [B2M/1857R] - BSA and Azide free (ab236429)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-beta 2 Microglobulin antibody [B2M/1857R] -  
BSA and Azide free (ab236429)

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

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