**Product datasheet**

**Anti-beta 2 Microglobulin antibody ab6608**

**4 References**

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-beta 2 Microglobulin antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to beta 2 Microglobulin</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, IP, ELISA, Conjugation, Dot blot, ICC/IF</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>b 2-Microglobulin [Human Urine]</td>
</tr>
<tr>
<td>General notes</td>
<td>The antibody reacts with b2-microglobulin isolated from human urine showing a 12.8 kDa band under non-reducing condition of SDS-PAGE.</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>pH: 7.20</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.01% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituents: 0.878% Sodium chloride, 0.424% Potassium phosphate</td>
</tr>
<tr>
<td>Purity</td>
<td>IgG fraction</td>
</tr>
<tr>
<td>Purification notes</td>
<td>This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified b 2-Microglobulin [Human Urine].</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of ab6608 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**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.

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**Application** | **Abreviews** | **Notes**
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WB | Use at an assay dependent concentration. |  
IP | Use at an assay dependent concentration. |  
ELISA | Use at an assay dependent concentration. |  
Conjugation | Use at an assay dependent concentration. |  
Dot blot | Use at an assay dependent concentration. |  
ICC/IF | Use at an assay dependent concentration. PubMed: 20017200 |  

**Target**

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

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