Creatine Kinase MB Polyclonal Antibody

Catalog Number: PA5-13830

**Details**

<table>
<thead>
<tr>
<th>Size</th>
<th>400 µL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host/Isotope</td>
<td>Rabbit / IgG</td>
</tr>
<tr>
<td>Class</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Type</td>
<td>Antibody</td>
</tr>
<tr>
<td>Immunogen</td>
<td>KLH conjugated synthetic peptide between 283-313 amino acids from the C-terminal region of human CKM</td>
</tr>
<tr>
<td>Conjugate</td>
<td>Unconjugated</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Purification</td>
<td>Ammonium sulfate precipitation, Size-exclusion - Dialysis</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>PBS</td>
</tr>
<tr>
<td>Contains</td>
<td>0.09% sodium azide</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>-20° C, Avoid Freeze/Thaw Cycles</td>
</tr>
</tbody>
</table>

**Species Reactivity**

| Species reactivity | Human |

**Tested Applications**

<table>
<thead>
<tr>
<th>Dilution *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry (Flow)</td>
</tr>
<tr>
<td>Immunohistochemistry (Paraffin) (IHC (P))</td>
</tr>
<tr>
<td>Western Blot (WB)</td>
</tr>
</tbody>
</table>

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

**Product specific information**

This antibody is predicted to react with bovine, porcine and rabbit based on sequence homology.

**Background/Target Information**

The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphagens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized.


Creatine Kinase MB Antibody (PA5-13830) in IHC (P)
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human skeletal muscle using a Creatine Kinase MB polyclonal antibody (Product # PA5-13830), followed by HRP-conjugated secondary antibody and AEC staining.

Creatine Kinase MB Antibody (PA5-13830) in WB
Western blot analysis of Creatine Kinase MB using a Creatine Kinase MB polyclonal antibody (Product # PA5-13830) in C6 cell lysate.

Creatine Kinase MB Antibody (PA5-13830) in Flow
Flow cytometry analysis of HepG2 cells using a Creatine Kinase MB polyclonal antibody (Product # PA5-13830) (bottom), compared to a negative control cell (top) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody