# Product datasheet

**Anti-GCET1 antibody [RAM341] ab68889**

## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-GCET1 antibody [RAM341]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Mouse monoclonal [RAM341] to GCET1</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Mouse</td>
</tr>
</tbody>
</table>

**Tested applications**
- Suitable for: ELISA, WB, IP, IHC-P
- Unsuitable for: IHC-Fr

**Species reactivity**
- Reacts with: Human

**Immunogen**
- Recombinant full length protein (Human)

**Positive control**
- Tonsil.

**General notes**
- This antibody clone is manufactured by Abcam.
- If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.

## Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></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><strong>Storage buffer</strong></td>
<td>Preservative: 0.02% Sodium azide&lt;br&gt;Constituent: PBS</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>This antibody was purified using a AKTA prime.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>RAM341</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1</td>
</tr>
</tbody>
</table>

## Applications

Our Abpromise guarantee covers the use of ab68889 in the following tested applications.

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

### Tissue specificity
Highly expressed in normal germinal center (GC) B-cells and GC B-cell-derived malignancies.

### Sequence similarities
Belongs to the serpin family.

### Cellular localization
Cytoplasm; Secreted and Membrane.

### Application
<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>1/1000.</td>
<td></td>
</tr>
<tr>
<td>WB</td>
<td>1/100.</td>
<td>Detects a band of approximately 46 kDa (predicted molecular weight: 47 kDa).</td>
</tr>
<tr>
<td>IP</td>
<td>1/100.</td>
<td></td>
</tr>
<tr>
<td>IHC-P</td>
<td>1/100.</td>
<td></td>
</tr>
</tbody>
</table>

### Images

**Application notes**
Is unsuitable for IHC-Fr.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCET1 antibody [RAM341] (ab68889)

IHC image of GCET1 staining in human tonsil formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab68889, 10µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

Ab68889 staining human GCET1 in Burkitt’s Lymphoma (A), Follicular B Cell Lymphoma (B), Diffuse Large B Cell Lymphoma (C) and Lymphocyte Predominant Hodgkin's Lymphoma (D) by immunohistochemistry using formalin fixed, paraffin embedded tissue.
Western blot results of GCET1 from transfected cell lines. The first two lanes demonstrate the specificity of ab68889 (1:100) on lysates of transfected HEK-GCET1 cell lines. A 46kDa band specific to the GCET1 protein was observed in GC-DLBCL (SUDHL4 and SUDHL6) and some other DLBCL (KARPAS 422, DB and HT). The GCET1 protein was not present in a subset of DLBCL (MHHPREB1, DOHH2).

The top bands show the GCET1 protein, whereas the bottom bands are GAPDH, used as a reference.

Ab68889 staining human GCET1 in human tonsil by immunohistochemistry using paraffin embedded tissue.

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