Product datasheet

Anti-TCTP antibody [EPR5540] ab133568

Overview

Product name: Anti-TCTP antibody [EPR5540]
Description: Rabbit monoclonal [EPR5540] to TCTP
Host species: Rabbit
Tested applications: Suitable for: WB, Flow Cyt, IP, ICC/IF, IHC-P
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide corresponding to a region of Human TCTP (P13693).
Positive control: A431 cells; Raji, HeLa, Jurkat and A431 cell lysates.
General notes: This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.05% Sodium azide
 Constituents: 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
Purity: Tissue culture supernatant
Clonality: Monoclonal
Clone number: EPR5540
**Isotype**

IgG

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**Applications**

Our Abpromise guarantee covers the use of ab133568 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/100 - 1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IP</td>
<td></td>
<td>1/10 - 1/100.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/250 - 1/500.</td>
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<tr>
<td>IHC-P</td>
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<td>1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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**Target**

**Function**

Involved in calcium binding and microtubule stabilization.

**Tissue specificity**

Found in several healthy and tumoral cells including erythrocytes, hepatocytes, macrophages, platelets, keratinocytes, erythroleukemia cells, gliomas, melanomas, hepatoblastomas, and lymphomas. It cannot be detected in kidney and renal cell carcinoma (RCC). Expressed in placenta and prostate.

**Sequence similarities**

Belongs to the TCTP family.

**Cellular localization**

Cytoplasm.

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Images
**Western blot** - Anti-TCTP antibody [EPR5540] (ab133568)

*All lanes*: Anti-TCTP antibody [EPR5540] (ab133568) at 1/10000 dilution

*Lane 1*: Raji cell lysate

*Lane 2*: HeLa cell lysate

*Lane 3*: Jurkat cell lysate

*Lane 4*: A431 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

*All lanes*: Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Developed using the ECL technique.

**Predicted band size**: 20 kDa

**Overlay histogram showing A431 cells stained with ab133568 (red line).** The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab133568, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

**Immunofluorescence analysis of A431 cells staining TCTP (green) using ab133568 at a 1/250 dilution.** Cell nuclei are shown in blue.
Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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