Product datasheet

Anti-GCLC antibody ab53179

Overview

Product name: Anti-GCLC antibody
Description: Rabbit polyclonal to GCLC
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, IHC-P, WB
Species reactivity: Reacts with: Mouse, Human
Predicted to work with: Rat
Immunogen: Synthetic peptide within Rat GCLC aa 250-350 (internal sequence). The exact sequence is proprietary. Database link: P48506
Positive control: Kidney and Testis

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.6
Preservative: 0.1% Sodium azide
Constituents: PBS, 1% BSA
Purity: Immunogen affinity purified
Purification notes: Affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab53179 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
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<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration.</td>
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**Target**

**Pathway**
Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 1/2.

**Involvement in disease**
Defects in GCLC are the cause of hemolytic anemia (HAGGSD) [MIM:230450].

**Sequence similarities**
Belongs to the glutamate–cysteine ligase type 3 family.

**Images**

- Immunohistochemistry of Human testis stained with ab53179 at 1/100

**Abreviews**

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCLC antibody (ab53179)
ab53179 staining mouse embryo cells by ICC/IF. Cells were PFA fixed and permeabilized in Triton-X prior to blocking with 5% serum for 1 hr at 25°C. The primary antibody was diluted 1/500 in PBS with 0.5% goat serum and incubated with the sample for 18 hrs at 4°C. A FITC-conjugated goat anti-rabbit was used as the secondary antibody. Note spindle staining in cells undergoing mitosis.

Anti-GCLC antibody (ab53179) at 1/25 dilution + lysate prepared from kidney.

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

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