Product datasheet

Goat Anti-Mouse IgG H&L (HRP) preadsorbed ab97040

Overview

**Product name**
Goat Anti-Mouse IgG H&L (HRP) preadsorbed

**Description**
Goat polyclonal Secondary Antibody to Mouse IgG - H&L (HRP), pre-adsorbed

**Host species**
Goat

**Target species**
Mouse

**Specificity**
By immunoelectrohoresis and ELISA this antibody reacts specifically with Mouse IgG and with light chains common to other Mouse immunoglobulins. No antibody was detected against non immunoglobulin serum proteins. Reduced cross-reactivity to bovine, chicken, goat, horse, human, pig, rabbit and rat IgG was detected.

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

**Minimal cross-reactivity**
Chicken, Cow, Goat, Horse, Human, Pig, Rabbit, Rat, Sheep

**Immunogen**
Other Immunogen Type corresponding to Mouse IgG.

**Conjugation**
HRP

Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C.

**Storage buffer**
Constituents: 0.2% BSA, PBS, 0.00063% 2-methyl-4-isothiazolin-3-one, 0.00063% 5-chloro-2-methyl-4-isothiazolin-3-one

**Purity**
Immunogen affinity purified

**Purification notes**
Antiserum was cross adsorbed using bovine, chicken, horse, human, pig, rabbit and rat immunosorbents to remove cross reactive antibodies. This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to Horse Radish Peroxidase (HRP).

**Clonality**
Polyclonal

**Isotype**
IgG

Applications
Western blot - Goat Anti-Mouse IgG H&L (HRP) preadsorbed (ab97040)

All lanes : Anti-alpha Tubulin antibody [DM1A] - Loading Control (ab7291) at 1 µg/ml

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma cell line) Whole Cell Lysate
Lane 2 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate
Lane 3 : PC12 (Rat adrenal gland pheochromocytoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (ab97040)

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 150 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab7291 overnight at 4°C. Antibody binding was detected using an anti-mouse HRP (ab97040), and visualised using ECL development solution ab133406

Our Abpromise guarantee covers the use of ab97040 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>
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<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>1/200 - 1/5000.</td>
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<tr>
<td>ELISA</td>
<td></td>
<td>1/10000 - 1/100000. (Primary).</td>
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<tr>
<td>WB</td>
<td>★★★★★</td>
<td>1/5000 - 1/50000. For colormetric detection 1/5000 - 1/30000. For chemiluminescent detection 1/10000 - 1/50000.</td>
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</table>
Goat polyclonal Secondary Antibody to Mouse IgG - H&L (HRP), pre-adsorbed (ab97040) was used at 1/5000 dilution developed using the ECL technique, with ab86741.

IHC image of beta actin staining in human colon formalin fixed paraffin embedded tissue section*. The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30mins. The section was incubated with ab8224, 3µg/ml overnight at +4°C. An HRP-conjugated secondary (ab97040, 1/500 dilution) was used for 1hr at room temperature. The section was counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

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

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