Goat Anti-Rabbit IgG H&L (HRP) ab97051

Overview

Product name: Goat Anti-Rabbit IgG H&L (HRP)
Host species: Goat
Target species: Rabbit
Specificity: By immunoelectrophoresis and ELISA this antibody reacts specifically with Rabbit IgG and with light chains common to other Rabbit immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins.

Tested applications: Suitable for: ICC, IHC-P, ELISA, WB
Conjugation: HRP

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Constituents: 0.2% BSA, PBS, 0.05% CMIT/MIT based preservative
Purity: Immunogen affinity purified
Purification notes: This antibody was isolated by affinity chromatography using antigen coupled to agarose beads and conjugated to Horse Radish Peroxidase (HRP).
Conjugation notes: Molar enzyme/antibody protein ratio is 4:1
Clonality: Polyclonal
Isotype: IgG
General notes: Part of the AbExcel range.

Applications

Our Abpromise guarantee covers the use of ab97051 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>ICC</td>
<td></td>
<td>Use at an assay dependent dilution.</td>
</tr>
</tbody>
</table>
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051)

All lanes: Anti-Estrogen Receptor alpha antibody [E115] - ChIP Grade (ab32063) at 1/1000 dilution

Lane 1: Rat pituitary whole tissue lysate
Lane 2: Mouse pituitary whole tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Exposure time: 1st lane: 85 seconds
2nd lane: 32 seconds

Blocking and diluting buffer: 5% NFDM/TBST

Images

Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051)

All lanes: Anti-Estrogen Receptor alpha antibody [E115] - ChIP Grade (ab32063) at 1/1000 dilution

Lane 1: MCF7 (Human breast adenocarcinoma epithelial cell). Whole cell lysates
Lane 2: T-47D (human mammary gland ductal carcinoma epithelial cell). Whole cell lysates
Lane 3: MDA-MB231 (Human breast adenocarcinoma epithelial cell) Whole cell lysates (Negative control)
Lane 4: HepG2 (Human hepatocellular carcinoma epithelial cell) Whole cell lysates (Negative control)
Lane 5: Human uterus whole tissue lysate
Lane 6: Human ovary whole tissue lysate
Lane 7: Human ovary cancer whole tissue lysate

Lysates/proteins at 20 µg per lane.
Secondary

**All lanes**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Exposure time**: 50 seconds

Blocking and diluting buffer: 5% NFDM/TBST.

Immunohistochemical staining of paraffin embedded human endometrial carcinoma with purified ab32063 at a working dilution of 1 in 200. The secondary antibody used is ab97051, a HRP goat anti-rabbit IgG (H+L), at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0.

**Western blot analysis of co-expression *Bacillus anthracis* PA83 (A), Pfs48/45 (B) and Pfs48/45-10C with bacterial Endo H or PNGase F in *N. benthamiana* plants.**

(A) Western blot analysis of co-expression of PA83. Lanes: 1- *N. benthamiana* plant was infiltrated with pBI-PA83 construct, for the production of glycosylated PA83. 2,3- *N. benthamiana* plants were infiltrated with combinations of the pBI-Endo H/pBI-PA83 or pBI-PNGase F/pBI-PA83 constructs, for the production of Endo H (2) or PNGase F (3) deglycosylated PA83 proteins.

(B) Western blot analysis of co-expression of Pfs48/45. Lanes: 1-*N. benthamiana* plant was infiltrated with pEAQ-Pfs48/45 construct for the production of glycosylated Pfs48/45; 2,3- *N. benthamiana* plants were infiltrated with combinations of the pBI-Endo H/pEAQ-Pfs48/45 or pBI-PNGase F/pEAQ-Pfs48/45 constructs for the production of Endo H (2) and PNGase F (3) deglycosylated Pfs48/45 proteins.

(C) Western blot analysis of co-expression of Pfs48/45-10C. Lanes: 1- *N. benthamiana* plant was infiltrated with pEAQ-Pfs48/45-10C construct for the production of glycosylated Pfs48/45-10C; 2,3- *N.
benthamiana plants were infiltrated with combinations of the pBI-Endo H/pEAQ-Pfs48/45 or pBI-PNGase F/pEAQ-Pfs48/45 constructs for the production of Endo H (2) and PNGase F (3) depglycosylated Pfs48/45-10C proteins. gPA83- glycosylated PA83; dPA83- deglycosylated PA83; gPfs48/45: glycosylated Pfs48/45; dPfs48/45: deglycosylated Pfs48/45; gPfs48/45-10C: glycosylated Pfs48/45-10C; dPfs48/45-10C: deglycosylated Pfs48/45-10C.

M: MagicMark XP Western Protein Standard. PA83 proteins were detected using the anti-Bacillus anthracis protective antigen antibody BAP0101 (Cat. No. ab19888, Abcam); Ps48/45, Endo H or PNGase F proteins were detected using the anti-FLAG antibody. Pfs48/45-10C protein was detected using the purified anti-His Tag antibody.

IHC image of beta Actin staining in normal human colon, formalin-fixed and paraffin-embedded tissue*.

The section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH 6) for 30mins. The section was incubated with ab8227, 3 µg/ml overnight at +4°C. An HRP-conjugated secondary (ab97051, 1/2000 dilution) was used for 1hr at room temperature. The section was counterstained with hematoxylin and mounted with DPX.

The inset negative control image is secondary-only at 1/500 dilution.

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

Anti-LAMP2 antibody (ab37024) at 1/1000 dilution + Mouse brain whole tissue lysate at 30 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 1 minute
10 % gel. Blocked with 5% BSA for 2 hours at 25°C.

Incubated with the primary antibody for 1 hour in TBS-tween at 25°C.

**All lanes**: Anti-beta Actin antibody (ab8227) at 1 µg/ml

**All lanes**: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**Lanes 1-2**: Rabbit polyclonal to GNAT2 (ab97501) at 1/2000 dilution

**Lanes 3-4**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

**Lanes 5-6**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Exposure time**: 10 seconds

---

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

**Terms and conditions**
• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors