Rabbit Loading Control Antibody Panel (HRP)

**Product name**
Rabbit Loading Control Antibody Panel (HRP)

**Product overview**
Ab199714 is a sampler pack of loading control antibodies directly conjugated to HRP. This panel contains sample sizes of primary antibodies against the following housekeeping targets: alpha Tubulin, GAPDH, COX IV, Histone H3, alpha 1 NaK ATPase.

The Rabbit Loading Control Antibody Panel (HRP) is designed for validation and confirmation of western blot analysis when tested in conjunction with your proteins of interest.

**Properties**

**Storage instructions**
Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ab201822 - Anti-GAPDH antibody [EPR16891] (HRP)</td>
<td>1 x 40µl</td>
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<tr>
<td>ab209023 - Anti-Histone H3 antibody [EPR16987] (HRP)</td>
<td>1 x 40µl</td>
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<tr>
<td>ab209958 - Anti-COX IV antibody [EPR9442(ABC)] (HRP)</td>
<td>1 x 40µl</td>
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<tr>
<td>ab185065 - Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control (HRP)</td>
<td>1 x 40µl</td>
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<tr>
<td>ab185067 - Anti-alpha Tubulin antibody [EPR13478(B)] - Loading Control (HRP)</td>
<td>1 x 40µl</td>
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</tbody>
</table>

**Images**
**Western blot - Rabbit Loading Control Antibody Panel (HRP) (ab199714)**

All lanes: Anti-GAPDH antibody - Loading Control (HRP) (ab9385) at 1 µg/ml

Lane 1: HeLa cell lysate
Lane 2: A431 cell lysate
Lane 3: Jurkat cell lysate
Lane 4: 293 cell lysate

Lysates/proteins at 20 µg per lane.

**Observed band size:** 38 kDa

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**Western blot - Rabbit Loading Control Antibody Panel (HRP) (ab199714)**

All lanes: Anti-alpha Tubulin antibody [EPR13478(B)] - Loading Control (HRP) (ab185067)

Lane 1: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate (ab150035)
Lane 2: Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate
Lane 3: A431 (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 4: K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

**Observed band size:** 52 kDa

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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 5% Bovine Serum Albumin before being incubated with ab185067 overnight at 4°C. Antibody binding was visualised using ECL development solution ab133406.
**All lanes**: Anti-COX IV antibody (EPR9442(ABC)) - Mitochondrial Loading Control (HRP) (ab185056) at 1/5000 dilution

**Lane 1**: Heart (Human) Nuclear Lysate - fetal normal tissue at 5 µg

**Lane 2**: Human Heart Mitochondrial lysate (ab110337) at 5 µg

**Lane 3**: HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate at 20 µg

**Lane 4**: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 20 µg

**Lane 5**: Skeletal Muscle (Mouse) Tissue Lysate at 20 µg

**Lane 6**: NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at 20 µg

**Lane 7**: Skeletal Muscle (Rat) Tissue Lysate at 20 µg

**Observed band size**: 18 kDa

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab185056 overnight at 4°C. Antibody binding was visualised using ECL development solution ab133406.
**Western blot - Rabbit Loading Control Antibody Panel (HRP) (ab199714)**

**All lanes**: Anti-Histone H3 antibody - Nuclear Loading Control (HRP) (ab21054) at 1/5000 dilution

**Lane 1**: NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate (ab7179) at 10 µg

**Lane 2**: Yeast S.cerevisiae Whole Cell Lysate at 10 µg

**Lane 3**: Drosophila Embryo Nuclear Extract at 20 µg

**Observed band size**: 17 kDa

**Western blot - Rabbit Loading Control Antibody Panel (HRP) (ab199714)**

**All lanes**: Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control (HRP) (ab185065) at 1/5000 dilution (Milk blocking 3%)

**Lane 1**: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate (ab150035)

**Lane 2**: HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

**Observed band size**: 100 kDa

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 3% milk before being incubated with ab185065 overnight at 4°C. Antibody binding was visualised using ECL development solution ab133406.

**Please note**: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"
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