abcam

Product datasheet

Rabbit Loading Control Antibody Panel ab199712

384 References 6 Images

Overview

Product name Rabbit Loading Control Antibody Panel

Product overview Ab199712 is a sampler pack of loading control antibodies and a Goat Anti-Rabbit IgG secondary antibody conjugated to HRP.
This panel contains sample sizes of primary antibodies against the following housekeeping targets: alpha Tubulin, GAPDH, COXIV, Histone H3, and NaK ATPase.

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

Notes **Explore our range of antibody sample panels** designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format.

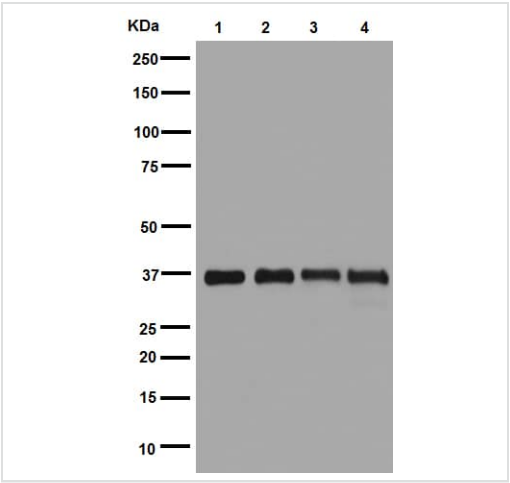
Refer to 'Associated Products' section below to see HRP-conjugated versions of these antibodies.

Properties

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

Components	1 units
ab76020 - Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control	1 x 10µl
ab205718 - Goat Anti-Rabbit IgG H+L (HRP)	1 x 100µg
ab202554 - Anti-COX IV antibody - Mitochondrial Loading Control	1 x 10µl
ab176560 - Rabbit monoclonal to alpha Tubulin [EPR13478(B)] - Loading Control	1 x 10µl
ab181602 - Anti-GAPDH antibody - Loading Control	1 x 10µl
ab176842 - Rabbit monoclonal to Histone H3 [EPR16987]	1 x 10µl

Images



Western blot - Anti-GAPDH antibody [EPR16891] (

ab181602

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All lanes : Anti-GAPDH antibody [EPR16891] (**ab181602**) at 1/50000 dilution

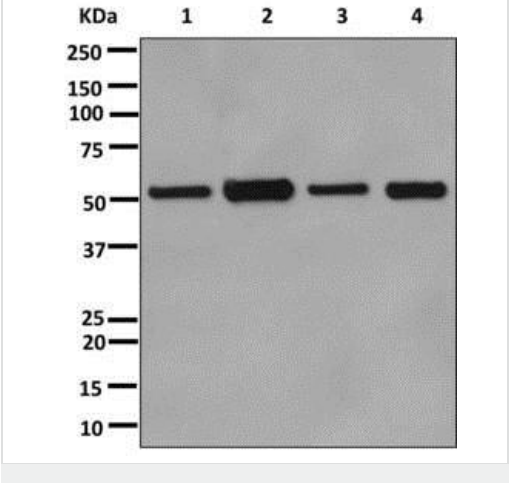
Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysates
Lane 2 : Xenopus(X. tropicalis) muscle lysates
Lane 3 : UMNSAH/DF-1 (Transformed chicken embryonic fibroblast cells) whole cell lysates
Lane 4 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary
Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size : 36 kDa
Observed band size : 36 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-alpha Tubulin antibody [EPR13478(B)] - Loading Control (

ab176560

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All lanes : Anti-alpha Tubulin antibody [EPR13478(B)] - Loading Control (**ab176560**) at 1/1000 dilution (Unpurified)

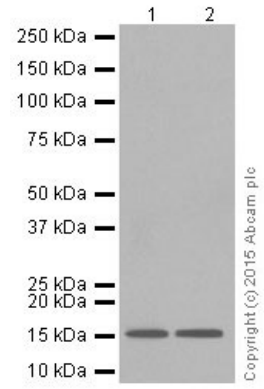
Lane 1 : HeLa cell lysate
Lane 2 : Jurkat cell lysate
Lane 3 : A431 cell lysate
Lane 4 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique

Predicted band size : 50 kDa

Secondary antibodies - **anti-rabbit HRP** (**ab6721**)



Western blot - Anti-COX IV antibody [EPR9442(ABC)] - Mitochondrial Loading Control (**ab202554**)

All lanes : Anti-COX IV antibody [EPR9442(ABC)] - Mitochondrial Loading Control (**ab202554**) at 1/10000 dilution

Lane 1 : Mouse heart lysate
Lane 2 : Rat heart lysate

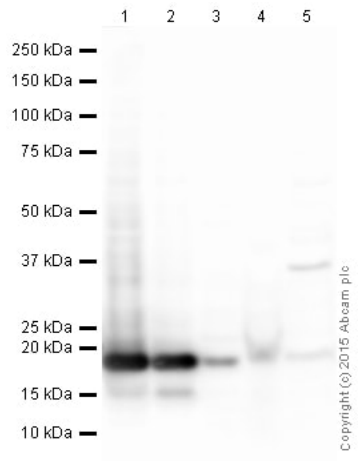
Lysates/proteins at 10 µg per lane.

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size : 20 kDa
Observed band size : 17 kDa (**why is the actual band size different from the predicted?**)

Exposure time : 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Histone H3 antibody [EPR16987] (**ab176842**)

All lanes : Anti-Histone H3 antibody [EPR16987] - Nuclear Loading Control and ChIP Grade (**ab176842**) at 1 µg

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg
Lane 2 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at 10 µg
Lane 3 : Drosophila embryo nuclear extract (from melanogaster embryos 0-12hr) at 10 µg
Lane 4 : S.cerevisiae (Y190) Whole Cell Lysate at 20 µg
Lane 5 : S.pombe Whole Cell Lysate at 20 µg

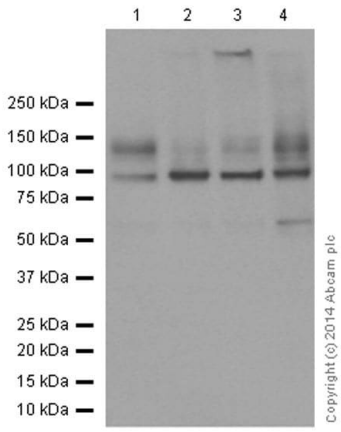
Secondary
Peroxidase AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/50000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 15 kDa
Observed band size : 17 kDa (**why is the actual band size different from the predicted?**)

Exposure time : 5 seconds

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 2% Bovine Serum Albumin before being incubated with **ab176842** overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.



Western blot - Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control (

ab76020

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All lanes : Anti-Sodium Potassium ATPase antibody [EP1845Y] - Plasma Membrane Loading Control (**ab76020**) at 1/100000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 3 : 293 (Human embryonic kidney epithelial cell) whole cell lysates
Lane 4 : A431 (Human epidermoid carcinoma epithelial cell) whole cell lysates

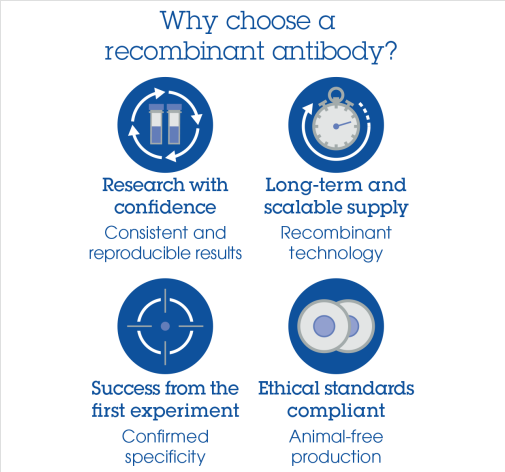
Lysates/proteins at 20 µg per lane.

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/20000 dilution

Predicted band size : 113 kDa
Observed band size : 100 kDa (**why is the actual band size different from the predicted?**)

Exposure time : 2 minutes

Blocking and diluting buffer: 5% NFDM/TBST.



Rabbit Loading Control Antibody Panel (ab199712)

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