abcam

Product datasheet

Human MAPK Phosphorylation Antibody Array (Membrane, 17 Targets) ab211061

11 References 4 Images

Overview

Product name	Human MAPK Phosphorylation Antibody Array (Membrane, 17 Targets)
Sample type	Cell Lysate, Tissue Lysate
Species reactivity	**Reacts with:** Human
Product overview	Abcam's Human MAPK Phosphorylation Antibody Array (ab211061) for use with cell and tissue lysates. Targets: Akt (pS473), CREB (pS133), ERK1 (pT202/Y204)/ERK2 (pT185/Y187), GSK3a (pS21), GSK3b (pS9), HSP27 (pS82), JNK (pT183), MEK (pS217/221), MKK3 (pS189), MKK6 (pS207), MSK2 (pS360), mTOR (pS2448), p38 (pT180/Y182), p53 (pS15), P70S6K (pT421/S424), RSK1 (pS380), RSK2 (pS386).
Notes	Cytokine arrays are an antibody-pair-based assay, analogous to ELISA, but using a membrane as a substrate rather than a plate. Capture antibodies are supplied arrayed/spotted on a membrane with each pair of spots representing a different analyte. Sample is added (0.2-1 mL of 1 sample to each membrane), and then paired detector antibodies and HRP-Anti-Rabbit IgG. The antibody array is analyzed using the same methods as a chemiluminescent western blot. Comparison between samples can be by eye or using densitometry software for a semi-quantitative comparison. **Learn more about cytokine arrays and other membrane antibody arrays** Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.
Tested applications	**Suitable for:** Multiplex Protein Detection

Properties

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

Components	2 Membrane	4 Membrane	8 Membrane
1,000X HRP-Anti-Rabbit IgG	1 x 20µl	1 x 20µl	1 x 20µl
100X Phosphatase Inhibitor Cocktail Set I Concentrate	1 vial	1 vial	2 vials
20X Wash Buffer I	1 x 10ml	1 x 10ml	1 x 20ml
20X Wash Buffer II	1 x 10ml	1 x 10ml	1 x 20ml
2X Cell Lysis Buffer	1 x 10ml	1 x 10ml	1 x 16ml
8-Well Incubation Tray (with Lid)	1 unit	1 unit	1 unit
Antibody Arrays	2 units	4 units	8 units
Detection Antibody Cocktail	1 vial	2 vials	4 vials
1X Blocking Buffer	1 x 25ml	1 x 25ml	2 x 25ml
Detection Buffer C	1 x 1.5ml	1 x 1.5ml	1 x 2.5ml
Detection Buffer D	1 x 1.5ml	1 x 1.5ml	1 x 2.5ml
Phosphatase Inhibitor Cocktail Set II	1 vial	1 vial	2 vials
Plastic sheets	1 unit	1 unit	1 unit
Protease Inhibitor Cocktail	1 vial	1 vial	2 vials

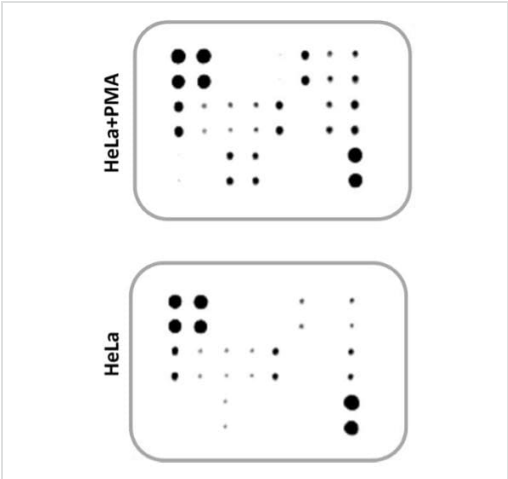
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab211061 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

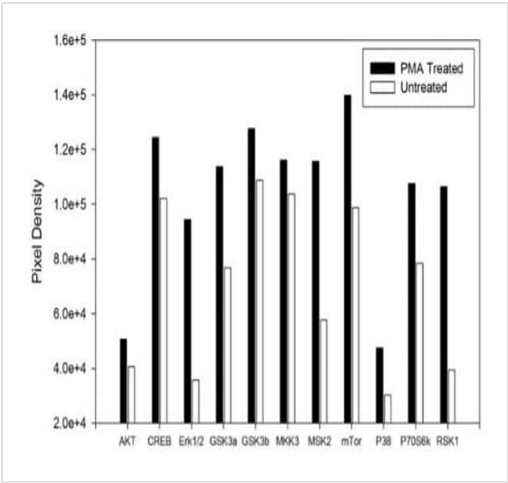
Application	Abreviews	Notes
Multiplex Protein Detection		Use at an assay dependent concentration.

Images



Typical data

HeLa cells were grown to 80% confluency and then serum starved overnight. Cells were either untreated (bottom panel) or treated (top panel) with 250 nM PMA for 20 minutes. Data shown are from a 20 second exposure using a chemiluminescence imaging system.



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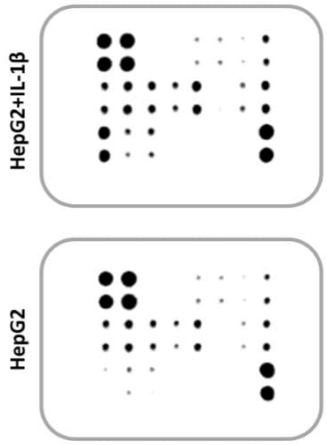
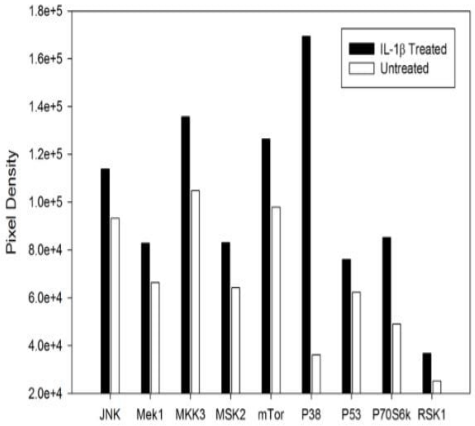


Typical data

HepG2 cells were grown to 80% confluency and then serum starved overnight. Cells were either untreated (bottom panel) or treated (top panel) with 25 ng/mL of recombinant human IL-1β for 30 minutes. Data shown are from a 20 second exposure using a chemiluminescence imaging system.



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HepG2 cells were grown to 80% confluency and then serum starved overnight. Cells were either untreated or treated with 25 ng/mL of recombinant human IL-1β for 30 minutes. Data shown are from a 20 second exposure using a chemiluminescence imaging system.

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