

## Product datasheet

# Human EGFR Phosphorylation Antibody Array - Membrane (17 Targets) ab134005

[5 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Human EGFR Phosphorylation Antibody Array - Membrane (17 Targets)
<b>Sample type</b>	Tissue Extracts, Cell Lysate
<b>Assay type</b>	Semi-quantitative
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Product overview</b>	ab134005 is for simultaneous detection of the relative levels of 17 different Phosphorylated Human EGF Receptors. Suitable for cell and tissue lysates only.

**Targets:** EGFR (Tyr845), EGFR (Tyr992), EGFR (Tyr1045), EGFR (Tyr1068), EGFR (Tyr1086), EGFR (Tyr1148), EGFR (Tyr1173), EGFR (Ser1046/1047), EGFR (Ser1070), ErbB2 (Tyr877), ErbB2 (Tyr1112), ErbB2 (Tyr 1221/1222), ErbB2 (Tyr1248), ErbB2 (Thr686), ErbB2 (Ser1113), ErbB3 (Tyr1289), ErbB4 (Tyr1284)

### [Learn more about membrane antibody arrays](#)

**Notes**

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	1 x 4 Membranes	1 x 8 Membranes	1 x 2 Membranes
1,000X HRP-Conjugated Streptavidin	1 x 18µl	1 x 18µl	1 x 18µl
100X Phosphatase Inhibitor Cocktail Set I Concentrate	1 vial	2 vials	1 vial

Components	1 x 4 Membranes	1 x 8 Membranes	1 x 2 Membranes
1X Blocking Buffer	1 x 25ml	2 x 25ml	1 x 25ml
20X Wash Buffer I	1 x 30ml	1 x 30ml	1 x 30ml
20X Wash Buffer II	1 x 30ml	1 x 30ml	1 x 30ml
2X Cell Lysis Buffer	1 x 5ml	1 x 5ml	1 x 5ml
8-Well Incubation Tray (with Lid)	1 unit	1 unit	1 unit
Cocktail of Biotin-Conjugated Anti-EGFR	2 vials	4 vials	1 vial
Detection Buffer C	1 x 1.5ml	1 x 2.5ml	1 x 1.5ml
Detection Buffer D	1 x 1.5ml	1 x 2.5ml	1 x 1.5ml
EGFR Phosphorylation Antibody Array Membranes	4 units	8 units	2 units
Phosphatase Inhibitor Cocktail Set II	1 vial	2 vials	1 vial
Protease Inhibitor Cocktail	1 vial	2 vials	1 vial

## Applications

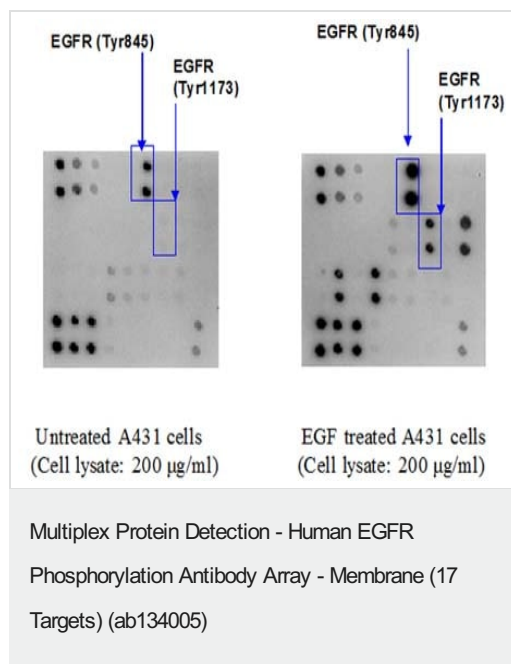
### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab134005 in the following tested applications.

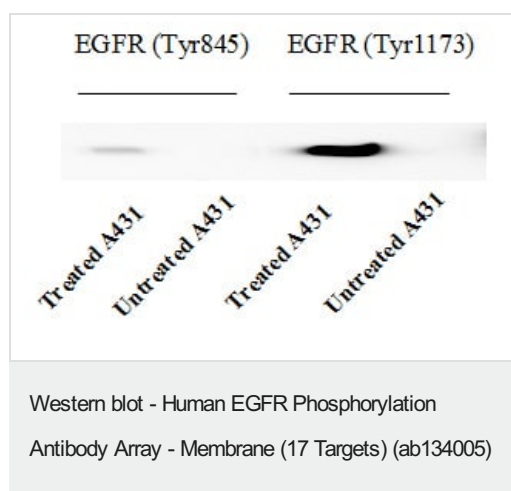
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Multiplex Protein Detection</b>		Use at an assay dependent concentration.

## Images



Human epidermoid carcinoma cell line, A431 cells that were 80-90% confluent were serum starved overnight, then exposed to 100 ng/ml EGF for 20 minutes at 37°C. Control cells were serum starved without the subsequent stimulation with EGF. Cell lysates were prepared according to the protocol. To use ab134005 Human EGFR Phosphorylation Antibody Array - Membrane, treated or untreated cell lysate was added into antibody array membrane. The antibody array membranes were washed and cocktail of biotinylated anti-EGFR was used to detect phosphorylated proteins on activated receptors. After incubation with HRP-Conjugated Streptavidin, the signals were visualized by chemiluminescence.



Western blot analysis of extracts from 100 ng/ml hEGF treated A431 cells or untreated A431 cells. Phospho-EGFR (Tyr845) or Phospho-EGFR (Tyr1173) antibodies were used in this assay.

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

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