

Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [EP197Y] - BSA and Azide free ab214171

重组 RabMAb

7 References **5 图像**

概述

产品名称	Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187)抗体[EP197Y] - BSA and Azide free
描述	兔单克隆抗体[EP197Y] to Erk1 (pT202/pY204) + Erk2 (pT185/pY187) - BSA and Azide free
宿主	Rabbit
特异性	This antibody detects Erk1 phosphorylated at Threonine 202 and Tyrosine 204 and Erk2 phosphorylated at Threonine 185 and Tyrosine 187.
经测试应用	适用于: WB, IP, Dot blot, ELISA 不适用于: Flow Cyt, ICC/IF or IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431 (treated with EGF), SH-SY5Y (treated with NGF), PC-12 (treated with NGF), HeLa and NIH/3T3 whole cell lysates. IP: A431 (treated with EGF) and PC-12 (treated with NGF) whole cell lysates.
常规说明	<p>ab214171 is the carrier-free version of ab76299.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply

- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EP197Y
同种型	IgG

应用

The Abpromise guarantee

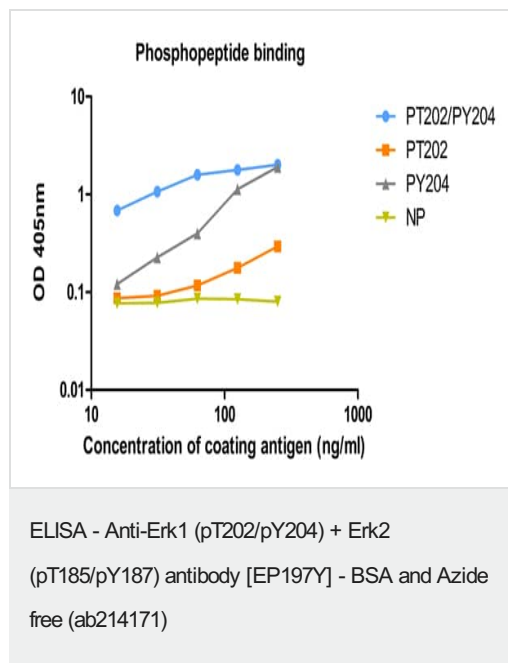
Abpromise[™]承诺保证使用ab214171于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 43, 42 kDa (predicted molecular weight: 43, 41 kDa).
IP		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

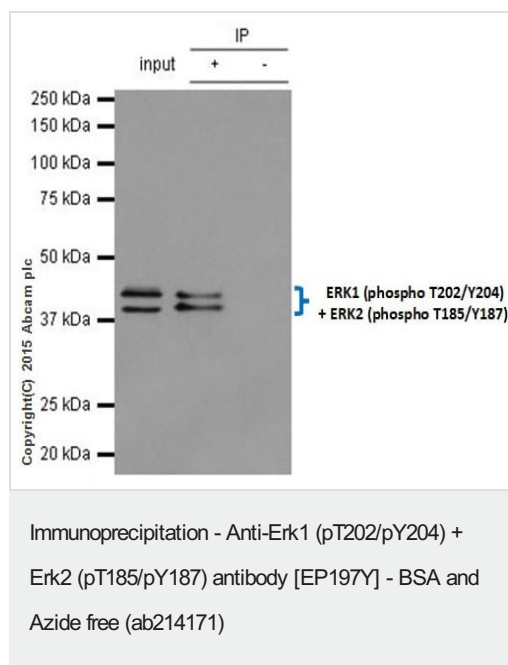
图片



ELISA analysis of various phospho and non-phospho peptides (0-250 ng/ml) labelling Erk1 (pT202/pY204) + Erk2 (pT185/pY187) with **ab76299** at a dilution of 1/1000. An Alkaline Phosphatase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/2500).

ab76299 has stronger affinity for the double phospho peptide Y204/Y187 than to single phospho peptides T202 or Y204.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76299**).



ab76299 at 1/80 immunoprecipitating Erk1 (pT202/pY204) + Erk2 (pT185/pY187) in PC-12 whole cell lysate.

Lane 1 (input): PC-12 whole cell lysate - treated with 100ng/ml NGF for 10 min (10µg).

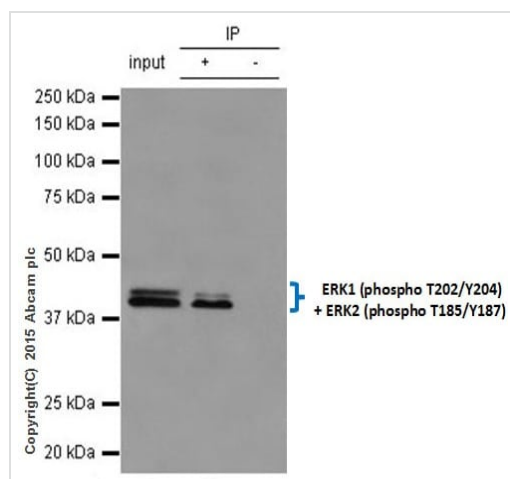
Lane 2 (+): **ab76299** + PC-12 whole cell lysate - treated with 100ng/ml NGF for 10 min.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab76299** in PC-12 whole cell lysate - treated with 100ng/ml NGF for 10 min.

For western blotting, **ab76299** was used at a dilution of 1/1000 and a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG, was used as the secondary antibody (1/1500).

Blocking and dilution buffer: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76299**).



Immunoprecipitation - Anti-Erk1 (pT202/pY204) +
Erk2 (pT185/pY187) antibody [EP197Y] - BSA and
Azide free (ab214171)

ab76299 at 1/80 immunoprecipitating Erk1 (pT202/pY204) + Erk2 (pT185/pY187) in A431 whole cell lysate.

Lane 1 (input): A431 whole cell lysate - treated with 100ng/ml EGF for 10 min (10µg).

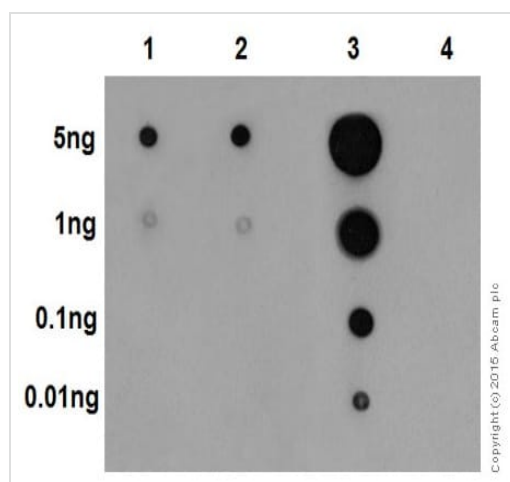
Lane 2 (+): **ab76299** + A431 whole cell lysate - treated with 100ng/ml EGF for 10 min.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab76299** in A431 whole cell lysate - treated with 100ng/ml EGF for 10 min.

For western blotting, **ab76299** was used at a dilution of 1/1000 and a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG, was used as the secondary antibody (1/1500).

Blocking and dilution buffer: 5% NFDm/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76299**).



Dot Blot - Anti-Erk1 (pT202/pY204) + Erk2
(pT185/pY187) antibody [EP197Y] - BSA and Azide
free (ab214171)

Dot blot analysis of single phospho peptide pT202 (Lane 1), single phospho peptide pY204 (Lane 2), double phospho peptide pT202/pY204 (Lane 3) and non-phospho peptide (Lane 4) labelling Erk1 (pT202/pY204) + Erk2 (p185/pY187) with **ab76299** at a dilution of 1/1000. A peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/1000.

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76299**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187)
antibody [EP197Y] - BSA and Azide free (ab214171)

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