abcam

Product datasheet

Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] ab32538

重组 RabMAb

29 References 6 图像

概述

产品名称	Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187)**抗体**[E337]
描述	**兔单克隆抗体**[E337] to Erk1 (pT202/pY204) + Erk2 (pT185/pY187)
宿主	Rabbit
特异性	The antibody detects ERK1 phosphorylated on Threonine 202 and Tyrosine 204 and ERK2 phosphorylated on Threonine 185 and Tyrosine 187.
经测试应用	**适用于:** WB, IHC-P, Flow Cyt (Intra), ICC/IF **不适用于:** IP
种属反应性	**与反应:** Human
免疫原	Synthetic peptide within Human Erk1 (pT202/pY204) + Erk2 (pT185/pY187). The exact sequence is proprietary. (Peptide available as **ab205613**)
阳性对照	WB: Serum starved A431 cell lysate treated with EGF. IHC-P: Human thyroid gland cancer tissue. ICC/IF: A431 cells +- EGF.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	E337
同种型	IgG

应用

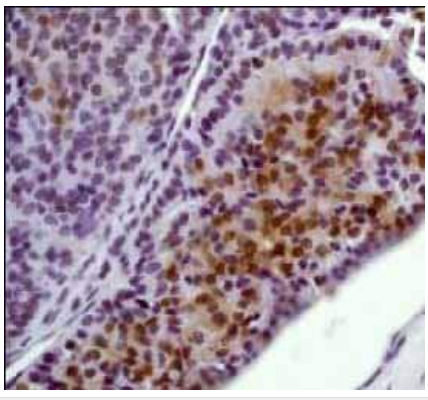
The Abpromise guarantee **Abpromise™承诺保证使用ab32538于以下的经测试应用**

"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		1/500 - 1/10000. Detects a band of approximately 42, 44 kDa (predicted molecular weight: 42 , 44 kDa).
IHC-P		1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/1000. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/200 - 1/250.

应用说明 Is unsuitable for IP.

图片

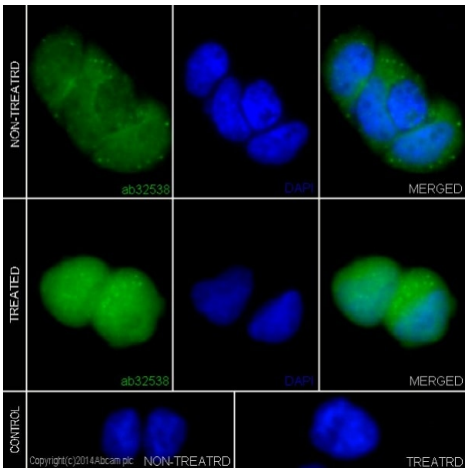


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

Immunohistochemical analysis of paraffin-embedded human thyroid gland cancer using anti-ERK1(pT202/pY204)/ERK2(pT185/pY187) (ab32538) at dilution of 1:50.

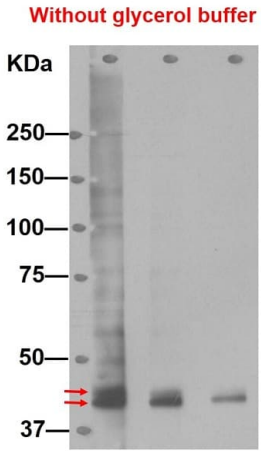
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

Immunocytochemistry/Immunofluorescence analysis of 4% paraformaldehyde A431+-EGF(100ng/ml,5min) labelling Erk1 (pT202/pY204) + Erk2 (pT185/pY187) with ab32538 at dilution of 1/200. The secondary antibody used was Alexa Fluor® 488 Goat-Anti-Rabbit IgG (**ab150077**) at dilution of 1/400. The counter stain was done with DAPI (blue).



Western blot - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

Lane 1 : Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538) at 1/500 dilution
Lane 2 : Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538) at 1/2000 dilution
Lane 3 : Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538) at 1/10000 dilution

All lanes : A431 treated with EGF for 10 minutes

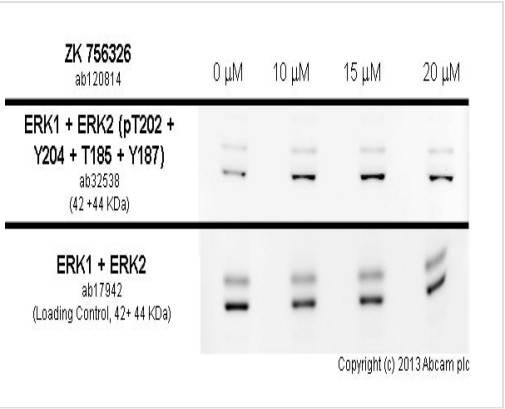
Lysates/proteins at 0.1 µg/ml per lane.

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

Predicted band size: 42 , 44 kDa
Observed band size: 42.44 kDa

Exposure time: 3 minutes

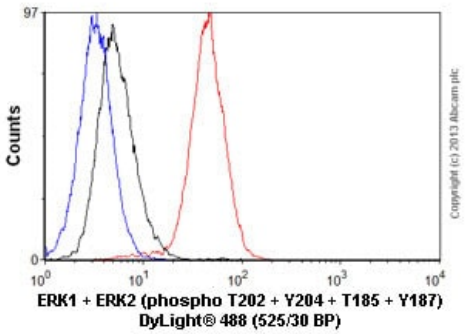
First-antibody diluted with 1% BSA.



Western blot - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

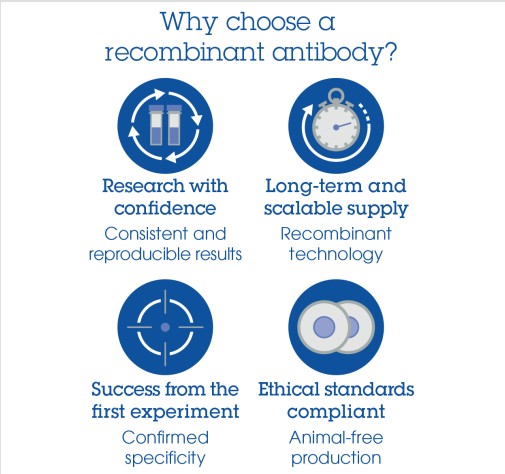
THP1 cells were incubated at 37°C for 3 minutes with vehicle control (0 µM) and different concentrations of ZK 756326 (**ab120814**). Increased expression of ERK1 (phospho T202 + Y204) + ERK2 (phospho T185 + Y187) (ab32538) in THP1 cells correlates with an increase in ZK 756326 concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10 µg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab32538 at 1/500 dilution and **ab17942** at 1 µg /ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.



Flow Cytometry (Intracellular) - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

Overlay histogram showing HeLa cells stained with ab32538 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab32538, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was a goat anti-rabbit DyLight® 488 (IgG; H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [E337] (ab32538)

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