

Product datasheet

Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [MAPK-YT] ab50011

★★★★★ 14 Abreviews 112 References 3 Images

Overview

Product name	Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [MAPK-YT]
Description	Mouse monoclonal [MAPK-YT] to Erk1 (pT202/pY204) + Erk2 (pT185/pY187)
Host species	Mouse
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Rat, Saccharomyces cerevisiae, Drosophila melanogaster Predicted to work with: Xenopus laevis, Zebrafish
Immunogen	Synthetic peptide corresponding to Erk1 (pT202/pY204) + Erk2 (pT185/pY187) conjugated to Keyhole Limpet Haemocyanin (KLH). Synthetic peptide corresponds to the phosphorylated form of human ERK1 and ERK2 activation loop. Sequence: HTGFLpTEpYVAT Run BLAST with Run BLAST with
Epitope	The epitope recognized by ab50011 is located in the region of phosphorylated threonine and tyrosine residues within the regulatory site of active MAP kinase (Thr185 and Tyr187 in ERK-2).
Positive control	Rat brain extract, Drosophila wing imaginal disc.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot is from ascites and is still in stock as of 25th October 2016- GR185138. Lot numbers higher than GR185138 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form Liquid

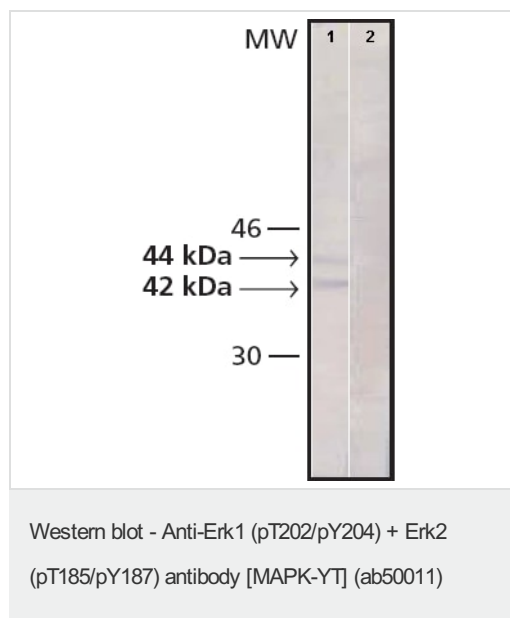
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
Purity	Proprietary Purification
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	MAPK-YT
Isotype	IgG1

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab50011 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
ICC/IF	★★★★★ (2)	1/200.
WB	★★★★★ (8)	1/10000. Predicted molecular weight: 44 kDa.

Images



Lane 1 : Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [MAPK-YT] (ab50011) at 1/10000 dilution

Lane 2 : no primary antibody

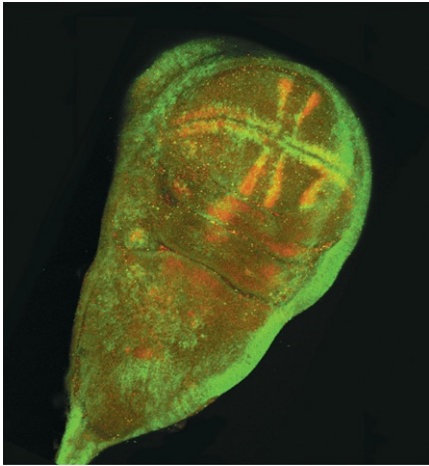
All lanes : Extract of Rat1 cells activated with 100µM Vanadate+200µM H₂O₂

Secondary

All lanes : Goat Anti-Mouse IgG, AlkPhos Conjugate

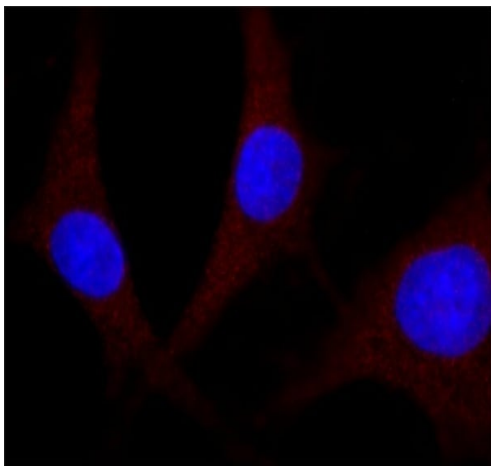
Predicted band size: 44 kDa

Observed band size: 42,44 kDa



In situ immunostaining of the activated form of MAP kinase with ab50011 (green) in *Drosophila* wing imaginal disc (500 micrometers long).

Immunocytochemistry/ Immunofluorescence - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [MAPK-YT] (ab50011)



ICC/IF of NRK cells labeling the activated form of MAP kinase with ab50011 (1/1000 dilution). The antibody was developed using Goat Anti-Mouse IgG, Cy3™ conjugate. Cells were counterstained with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Erk1 (pT202/pY204) + Erk2 (pT185/pY187) antibody [MAPK-YT] (ab50011)

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

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