

Product datasheet

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

★★★★★ 14 Abreviews 52 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, ELISA, WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Cow, Human, 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	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.

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: 7.4 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

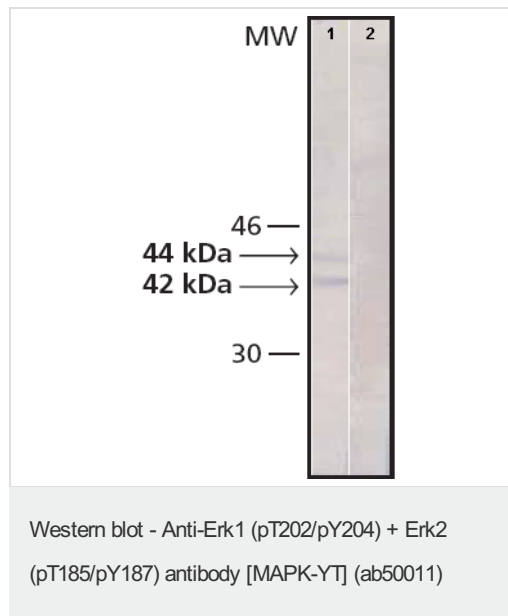
Applications

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	★★★★★	1/200.
ELISA		Use at an assay dependent concentration.
WB	★★★★★	1/10000. Predicted molecular weight: 44 kDa.
IP		Use at an assay dependent concentration.
IHC-P	★★★★☆	Use at an assay dependent concentration.

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

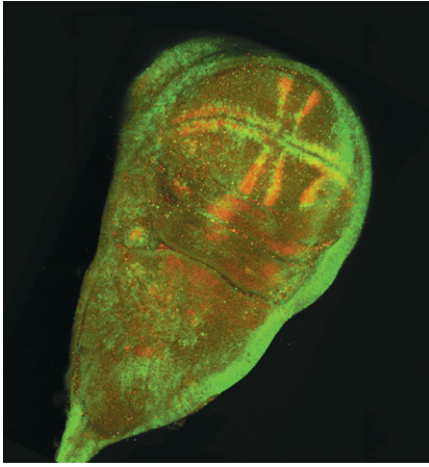
Secondary

All lanes : Goat Anti-Mouse IgG, AlkPhos Conjugate

Predicted band size: 44 kDa

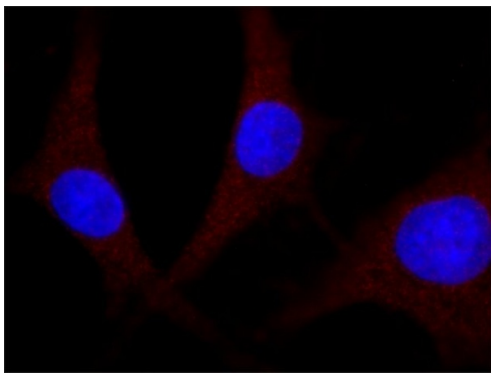
Observed band size: 42,44 kDa

[why is the actual band size different from the predicted?](#)



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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