


## Product datasheet

# Anti-ERK1 (phospho Y204) + ERK2 (phospho Y187) antibody ab47339

★★★★★ [2 Abreviews](#) [25 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-ERK1 (phospho Y204) + ERK2 (phospho Y187) antibody
<b>Description</b>	Rabbit polyclonal to ERK1 (phospho Y204) + ERK2 (phospho Y187)
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific for ERK1, only when phosphorylated at tyrosine 204
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human ERK1 (phospho Y204).
<b>Positive control</b>	Extracts from Jurkat cells
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab47339 in the following tested applications.

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

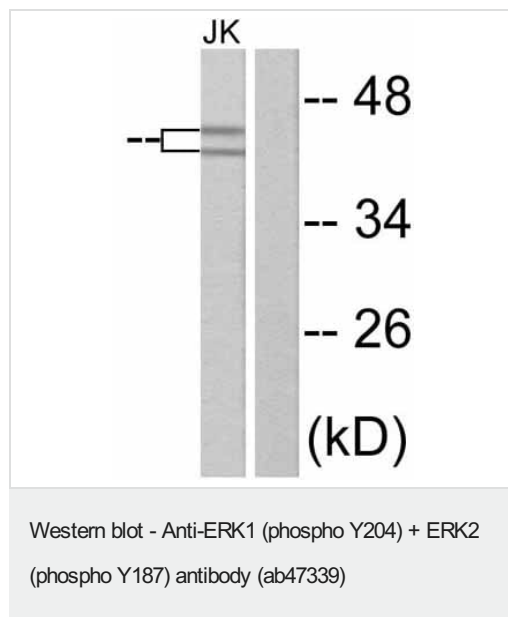
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 44, 42 kDa (predicted molecular weight: 44, 42 kDa).

## Target

### Cellular localization

ERK2: Nucleus.

## Images



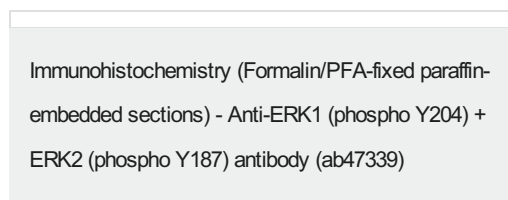
**All lanes :** Anti-ERK1 (phospho Y204) + ERK2 (phospho Y187) antibody (ab47339) at 1/500 dilution

**Lane 1 :** Extracts from Jurkat cells treated with PMA (200ng/ml, 15min)

**Lane 2 :** Extracts from Jurkat cells un-treated

**Predicted band size:** 44, 42 kDa

**Observed band size:** 42,44 kDa

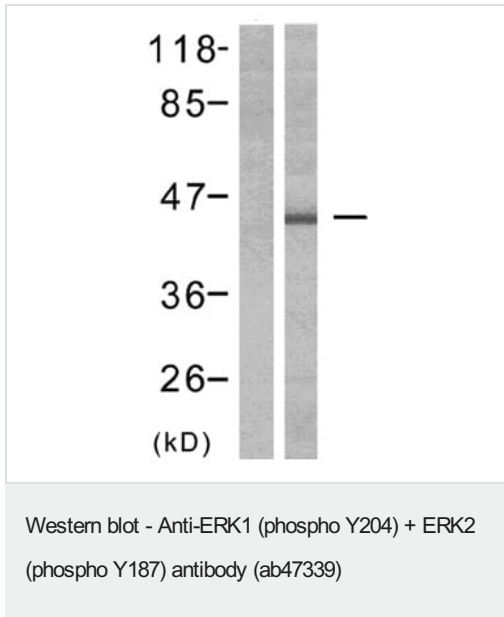


Ab47339 staining human normal or colon tissue. Staining is localised to cytoplasm.

Left panel: with primary antibody at 2 ug/ml. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffer EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 minutes. They were then blocked with Dako

Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



**All lanes :** Anti-ERK1 (phospho Y204) + ERK2 (phospho Y187) antibody (ab47339)

**Lane 1 :** Jurkat cell extract

**Lane 2 :** Jurkat cell extract treated with PMA

**Predicted band size:** 44, 42 kDa

**Observed band size:** 43 kDa

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

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