abcam

Product datasheet

Anti-Phosphothreonine-Proline / Phosphoserine-Proline antibody ab9344

11 References 1 Image

Overview

Product name	Anti-Phosphothreonine-Proline / Phosphoserine-Proline antibody
Description	Rabbit polyclonal to Phosphothreonine-Proline / Phosphoserine-Proline
Host species	Rabbit
Specificity	This antibody specifically reacts to proteins containing phosphothreonine-proline motifs, it also reacts to the phosphoserine-proline motif to a similar degree (pT-P and pS-P motif). The antibody does not react to phosphothreonine, phosphoserine or phosphotyrosine. The antibody will selectively recognize the phosphothreonine-proline motif of MBP, which is the site of phosphorylation by ERK1/ERK2.
Tested applications	**Suitable for:** ELISA, WB
Species reactivity	**Reacts with:** Species independent
Immunogen	Chemical/ Small Molecule corresponding to Phosphothreonine-Proline/ Phosphoserine-Proline conjugated to keyhole limpet haemocyanin.
Positive control	WB: Phosphorylated MBP
General notes	The antigen is based on N-acetyl-pT-K-pY-NH2. The pT-X-pY sequence is considered to be the motif for some active MAPKs. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer	pH: 6 Preservative: 0.02% Sodium azide
Purity	Immunogen affinity purified
Purification notes	Immunoaffinity chromatography with phosphothreonine-proline on agarose, then immuno-absorption with threonine-proline-NH2 on agarose.
Primary antibody notes	The antigen is based on N-acetyl-pT-K-pY-NH2. The pT-X-pY sequence is considered to be the motif for some active MAPKs.
Clonality	Polyclonal
Isotype	IgG

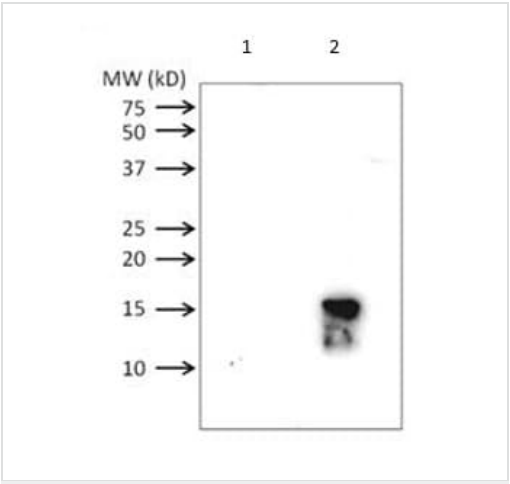
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9344 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
ELISA		Use a concentration of 0.5 µg/ml.
WB		Use a concentration of 2 µg/ml.

Images



Western blot - Anti-Phosphothreonine-Proline / Phosphoserine-Proline antibody (ab9344)

All lanes : Anti-Phosphothreonine-Proline / Phosphoserine-Proline antibody (ab9344)

Lane 1 : Phosphorprotein protein kinase A PKA

Lane 2 : Myelin Basic Protein (MBP)

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