abcam

Product datasheet

Anti-N WASP (phospho Y256) antibody ab23395

6 References 1 Image

Overview

Product name	Anti-N WASP (phospho Y256) antibody
Description	Rabbit polyclonal to N WASP (phospho Y256)
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human N WASP (phospho Y256).
Positive control	Pervanadate treated A431, HeLa, Jurkat and endothelial cells for SDS PAGE immunoblots.
General notes	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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, 0.1% BSA
Purity	Immunogen affinity purified
Purification notes	This antibody was cross absorbed to phosphotyrosine then affinity purified using phospho N WASP (Tyr 256) peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab23395 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
WB		1/10000. Detects a band of approximately 65 kDa (predicted molecular weight: 55 kDa). The antibody detects a 63 or 65 kDa protein corresponding to phosphorylated N WASP on SDS PAGE immunoblots of A431, HeLa, Jurkat and endothelial cells treated with pervanadate. Weak bands are also observed at higher molecular weights after pervanadte treatment which may be due to low crossreactivity with phosphotyrosine.

Target

Function Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression.

Sequence similarities Contains 1 CRIB domain.
Contains 1 WH1 domain.
Contains 2 WH2 domains.

Cellular localization Cytoplasm > cytoskeleton. Nucleus. Preferentially localized in the cytoplasm when phosphorylated and in the nucleus when unphosphorylated.

Images

Western blot - Anti-N WASP (phospho Y256) antibody (ab23395)

All lanes : Anti-N WASP (phospho Y256) antibody (ab23395) at 1/10000 dilution

Lane 1 : Control A431 cells 20ug/lane
Lane 2 : Pervanadate-treated A431 cells 20 ug/lane

Predicted band size: 55 kDa

Membrane was incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1hour at room temperature.

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