abcam

Product datasheet

Anti-N WASP antibody ab56454

KO VALIDATED

2 References 2 Images

Overview

Product name	Anti-N WASP antibody
Description	Mouse monoclonal to N WASP
Host species	Mouse
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human, Pig
Immunogen	Recombinant fragment: NFVYNSPRGY FHTFAGDTCQ VALNFANEEE AKKFRKAVTD LLGRRQRKSE KRRDPPNGPN LPMATVDIKN PEITTNRFYG PQVNNISH, corresponding to amino acids 97-185 of Human N WASP Run BLAST with ExPASy Run BLAST with NCBI

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: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2b
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab56454** 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		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 55 kDa.
IHC-P		Use at an assay dependent concentration. PubMed: 18641286

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.

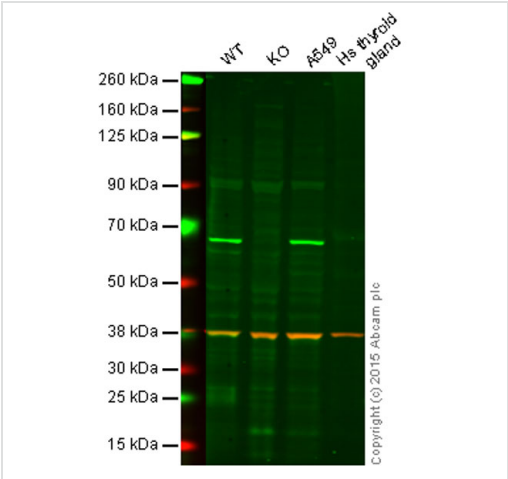
Sequence similarities

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

Cellular localization

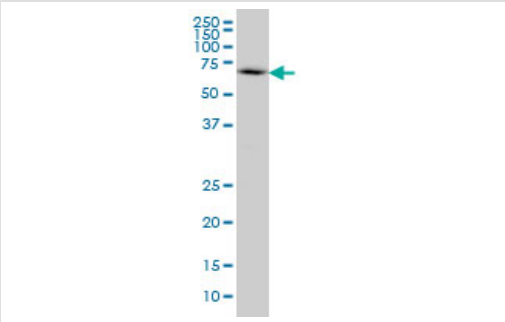
Cytoplasm > cytoskeleton. Nucleus. Preferentially localized in the cytoplasm when phosphorylated and in the nucleus when unphosphorylated.

Images



Western blot - Anti-N WASP antibody (ab56454)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: N WASP knockout HAP1 cell lysate (20 µg)
Lane 3: A549 whole cell lysate (20 µg)
Lane 4: Human thyroid gland (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab56454 observed at 66 kDa. Red - loading control, ab8245, observed at 37 kDa. ab56454 was shown to specifically react with N WASP when N WASP knockout samples were used. Wild-type and N WASP knockout samples were subjected to SDS-PAGE. ab56454 and ab8245 (loading control to GAPDH) were diluted 1/1000 and 1/2000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ab216772 and Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ab216777 secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-N WASP antibody (ab56454)

N WASP antibody (ab56454) at 1ug/lane +

IMR-32 cell lysate at 25ug/lane.

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