


Product datasheet

Anti-HIP55 antibody ab2836

6 References 2 Images

Overview

Product name	Anti-HIP55 antibody
Description	Goat polyclonal to HIP55
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Dog 
Immunogen	Synthetic peptide corresponding to Human HIP55 aa 1-100 (N terminal). (NP_001014436.1; NP_001116428.1) Database link: NP_054782.2

 [Run BLAST with](#)

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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	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab2836 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 0.03 - 0.1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 49 kDa). 1 hour primary incubation is recommended for this product.

Target

Function Actin-binding adapter protein. May act as a common effector of antigen receptor-signaling pathways in leukocytes. Its association with dynamin suggests that it may also connect the actin cytoskeleton to endocytic function. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes. Binds to F-actin but is not involved in actin polymerization, capping or bundling. Does not bind G-actin.

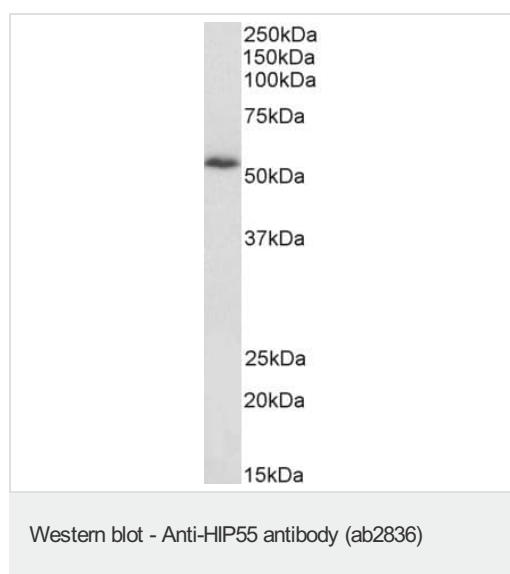
Sequence similarities Belongs to the ABP1 family.
Contains 1 ADF-H domain.
Contains 1 SH3 domain.

Domain The SH3 domain mediates interaction with SHANK2, SHANK3 and PRAM1.

Post-translational modifications Degraded by caspases during apoptosis.

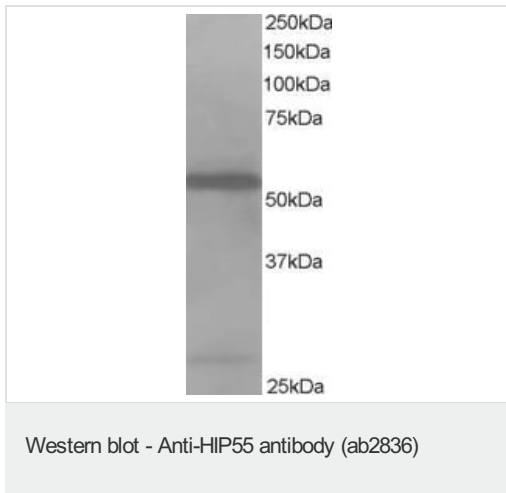
Cellular localization Cytoplasm > cytoskeleton. Cell projection > lamellipodium. Cortical cytoskeleton. Associates with lamellipodial actin.

Images



Anti-HIP55 antibody (ab2836) at 1 µg/ml + 3T3 cell lysate at 35 µg

Predicted band size: 49 kDa



ab2836 staining (1 µg/ml) of Jurkat lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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