

Product datasheet

Anti-Dynamin 1 antibody ab3456

[10 References](#) [2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-Dynamin 1 antibody |
| Description | Rabbit polyclonal to Dynamin 1 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, ICC/IF |
| Species reactivity | Reacts with: Rat, Human |
| Immunogen | Synthetic peptide corresponding to Rat Dynamin 1 aa 633-647. Sequence: KEKASETEENGSDSF (Peptide available as ab4984) Run BLAST with Run BLAST with |
| Positive control | WB: Rat homogenate. ICC/IF: SH-SY5Y cells. |
| General notes | <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&As</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

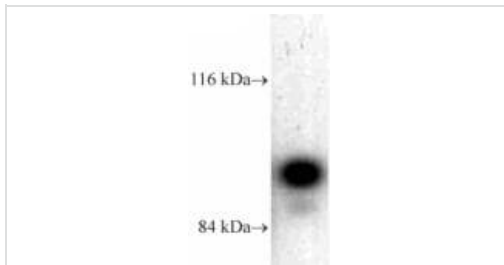
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab3456 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/1000. Detects a band of approximately 100 kDa (predicted molecular weight: 97 kDa). |
| ICC/IF | | Use at an assay dependent concentration. |

Target

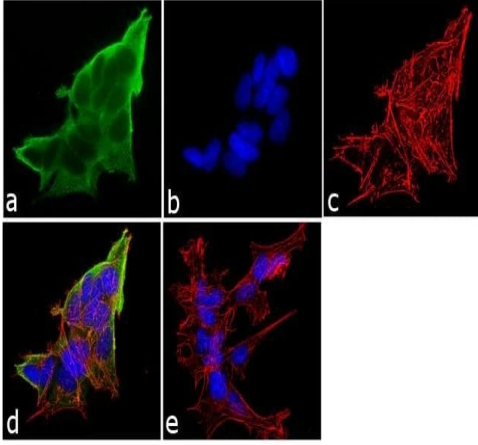
| | |
|------------------------------|--|
| Function | Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Involved in receptor-mediated endocytosis. |
| Sequence similarities | Belongs to the dynamin family. Contains 1 GED domain. Contains 1 PH domain. |
| Cellular localization | Cytoplasm. Cytoplasm > cytoskeleton. Microtubule-associated. |

Images



Western blot - Anti-Dynamin 1 antibody (ab3456)

Western blot of Dynamin 1 on rat brain homogenate using ab3456.



Immunocytochemistry/ Immunofluorescence - Anti-Dynamin 1 antibody (ab3456)

Immunofluorescence analysis of Dynamin I was performed using 70% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with ab3456 at 2µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.

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

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