abcam

Product datasheet

# Anti-DYNC1H1 antibody ab245554

1 Abreviews 2 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-DYNC1H1 antibody |
| **Description** | Rabbit polyclonal to DYNC1H1 |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** IP, WB |
| **Species reactivity** | **Reacts with:** Mouse, Human<br>**Predicted to work with:** Rat |
| **Immunogen** | Synthetic peptide within Human DYNC1H1 aa 1250-1300. The exact sequence is proprietary.<br>NP_001367.2<br>Database link: **Q14204** |
| **Positive control** | WB: HeLa, HEK-239T, Jurkat, TCMK-1 and NIH/3T3 whole cell lysate. IP: HEK-293T whole cell lysate. |
| **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.<br>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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| **Storage buffer** | pH: 7<br>Preservative: 0.09% Sodium azide<br>Constituent: Tris citrate/phosphate<br><br>pH 7 to 8 |
| **Purity** | Immunogen affinity purified |
| **Purification notes** | ab245554 was affinity purified using an epitope specific to DYNC1H1 immobilized on solid |

support.

**Clonality** Polyclonal

**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab245554 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

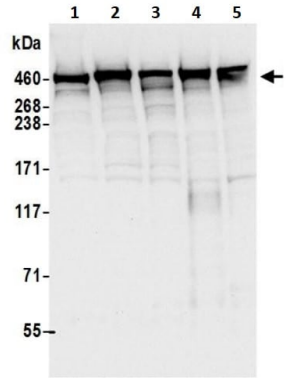
| Application | Abreviews | Notes |
|---|---|---|
| **IP** | | Use at 2-10 µg/mg of lysate. |
| **WB** | ★★★★☆ (1) | 1/2000 - 1/10000. Predicted molecular weight: 532 kDa. |

## Target

**Relevance** Dyneins are a group of microtubule-activated ATPases that function as molecular motors. They are divided into two subgroups of axonemal and cytoplasmic dyneins. The cytoplasmic dyneins function in intracellular motility, including retrograde axonal transport, protein sorting, organelle movement, and spindle dynamics. Molecules of conventional cytoplasmic dynein are comprised of 2 heavy chain polypeptides and a number of intermediate and light chains. DYNC1H1 is a member of the cytoplasmic dynein heavy chain family which serves as a scaffold for the probable homodimeric assembly of the respective non-catalytic subunits.

**Cellular localization** Cytoplasmic, Golgi Apparatus, Microtubule.

## Images




Western blot - Anti-DYNC1H1 antibody (ab245554)

**All lanes :** Anti-DYNC1H1 antibody (ab245554) at 0.1 µg/ml

**Lane 1 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate
**Lane 2 :** HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
**Lane 3 :** Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
**Lane 4 :** TCMK-1 (Mouse kidney epithelial cell line) whole cell lysate
**Lane 5 :** NIH/3T3 (Mouse embryo fibroblast cell line) whole cell lysate

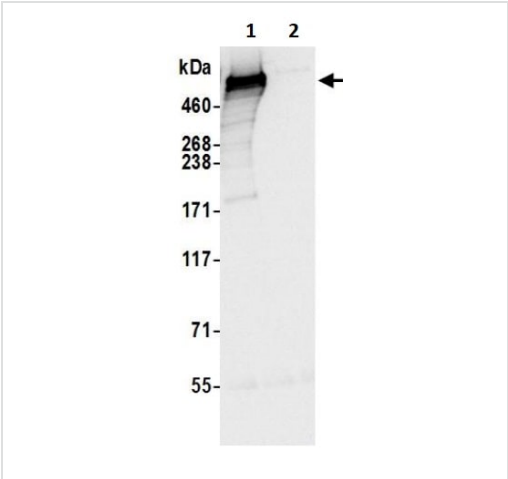
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 532 kDa

**Exposure time:** 3 seconds

Prepared using NETN lysis buffer.




Immunoprecipitation - Anti-DYNC1H1 antibody (ab245554)

DYNC1H1 was immunoprecipitated from HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (1 mg per IP reaction; 20% of IP loaded) prepared using NETN lysis buffer.
ab245554 used for IP at 6 µg per reaction. For WB 0.4 µg/ml.

**Lane 1:** ab245554 IP in HEK-293T whole cell lysate.
**Lane 2:** Control IgG IP in HEK-293T whole cell lysate.

Chemiluminescence detection: 3 seconds.



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