**Product datasheet**

**Anti-Clathrin heavy chain antibody [TD.1] ab24578**

5 References  1 Image

### Overview

**Product name**  Anti-Clathrin heavy chain antibody [TD.1]

**Description**  Mouse monoclonal [TD.1] to Clathrin heavy chain

**Host species**  Mouse

**Specificity**  This antibody reacts with clathrin heavy chains (CHC).

**Tested applications**  Suitable for: IHC-P, WB, ICC/IF  
Unsuitable for: IP

**Species reactivity**  Reacts with: Cow, Human

**Immunogen**  This antibody was raised using the globular N terminal domain of clathrin heavy chain.

**Positive control**  Methanol fixed HeLa cells for IF.

### Properties

**Form**  Liquid

**Storage instructions**  Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**  Preservative: 0.03% Thimerosal (merthiolate)

**Purity**  Protein G purified

**Clonality**  Monoclonal

**Clone number**  TD.1

**Isotype**  IgG1

### Applications

Our Abpromise guarantee covers the use of ab24578 in the following tested applications.

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

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
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<tbody>
<tr>
<td>IHC-P</td>
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<td>Use at an assay dependent concentration. PubMed: 21571834</td>
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Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network.

Belongs to the clathrin heavy chain family.

Cytoplasmic vesicle membrane. Membrane > coated pit. Melanosome. Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Application** | **Abreviews** | **Notes**
--- | --- | ---
ICC/IF | Use at an assay dependent concentration. | Is unsuitable for IP.

**Target**

**Function**

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Two different adapter protein complexes link the clathrin lattice either to the plasma membrane or to the trans-Golgi network.

**Sequence similarities**

Belongs to the clathrin heavy chain family.

**Cellular localization**

Cytoplasmic vesicle membrane. Membrane > coated pit. Melanosome. Cytoplasmic face of coated pits and vesicles. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Images**

ab24578 at a 1/200 dilution staining clathrin triskelion (blue) throughout the methanol fixed HeLa cells by Immunocytochemistry/Immunofluorescence. The Golgi is brilliantly stained by Giantin (yellow). Secondary antibodies used were a goat anti-mouse alexafluor AF546 and a goat anti-rabbit alexafluor AF488 applied at 1 ug/mL. The DNA was visualized with DAPI at 1 ug/mL. The colors of this image were altered.

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