

## Anti-Clathrin heavy chain 1 [TAG-OCS 1] Bulk Size Ab02485-15.0-BT

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgM format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgM, Kappa

**Clone Number:** TAG-OCS 1

**Alternative Name(s) of Target:** Clathrin heavy chain on chromosome 17; CLH-17

**UniProt Accession Number of Target Protein:** Q00610

**Published Application(s):** IP, FC, IHC

**Published Species Reactivity:** Human

**Immunogen:** The original mouse antibody was raised by immunizing female BALB/c mice with  $1 \times 10^6$  isolated Aldefluor-positive IGROV1 cells suspended in monophosphoryl-lipid A and trehalose dicorynomycolate (MPL+TDM) adjuvant.

**Specificity:** This antibody is specific for clathrin heavy chain 1. 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. Acts as component of the TACC3/ch-TOG/clathrin complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by acting as inter-microtubule bridge. The TACC3/ch-TOG/clathrin complex is required for the maintenance of kinetochore fiber tension. Plays a role in early autophagosome formation.

**Application Notes:** The mouse version of this antibody was tested by immunohistochemistry on IGROV1 cells to assess its binding to IGROV1 (WO2016118090). Flow cytometry was performed on subpopulations of IGROV1 detected by the mouse version of this antibody (WO2016118090). Additionally, to determine the specificity of the mouse version of this antibody, flow cytometry was performed on ovarian cancer stem cells (WO2016118090). Finally, protein extracts from IGROV1 membranes were successfully immunoprecipitated using the mouse version of this clone (WO2016118090).

**Antibody First Published in:** WO2016118090 [PMID:](#)

**Note on publication:** Describes the generation and characterization of this antibody.

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.