
anti-Clathrin

Cat #: HM1091
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Clathrin is the main structural component of the lattice covering the cytoplasmic face of the coated pits and coated vesicles originated from the plasma membrane and the trans-Golgi network. In receptor-mediated endocytosis, receptors are captured by clathrin-coated vesicles. Clathrin is a large, soluble protein composed of heavy chains and light chains. The light chains are believed to be regulatory elements in clathrin function.

SPECIFICITY

This antibody specifically recognizes human Clathrin (mouse and rat untested).

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A synthetic peptide derived from N-terminal region of human clathrin protein light chain.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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3. Mellman, I. 1996. Endocytosis and molecular sorting. *Ann. Rev. Cell. Dev. Biol.* 12: 575-625.
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5. Chen, C.Y., et al. 2002. Clathrin light and heavy chain interface: alpha-helix binding superhelix loops via critical tryptophans. *EMBO J.* 21: 6072-6082.
6. Wang, J., et al. 2003. Compromise of clathrin function and membrane association by clathrin light chain deletion. *Traffic* 4: 891-901.

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