

## Monoclonal Antibody to Clathrin Heavy Chain - Purified

<b>Catalog No.:</b>	AM00525PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	Clathrin consists of three heavy chain (192 kDa) and three light chains (LCa or LCB, 25-29 kDa) and self-assembles into a polyhedral cytoskeletal element. Self-assembly facilitates clathrin's central role in membrane sorting and selective transport within the cell.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	TD.1
<b>Immunogen:</b>	The globular N-terminal domain of clathrin heavy chain <b>Remarks:</b> Mol. Wt. of Antigen: 192 kDa (Heavy chain)
<b>Format:</b>	<b>State:</b> Liquid ascites fluid <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide
<b>Applications:</b>	Western Blotting (2): 1-2 µg/ml for 2hrs at RT. Positive Control: Placenta. Not suitable for Immunohistology and Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	AM00525PU-N reacts with clathrin heavy chain. It does not recognize native clathrin but is useful in immunoblotting. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	Cellular Localization: Cell membrane and cytoplasm
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. AP Jackson et al. Nature 326:154-159, 1987. 2. IS Nathke et al. Cell 68:899-910, 1992.