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**anti-Dynamin II**

Cat #: HM1121  
Goat polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Dynamin I is expressed in the central nervous system, while Dynamin II exhibits ubiquitous distribution with highest expression found in testis.

**SPECIFICITY**

This antibody reacts with Dynamin II isoforms and, to a lesser extent, Dynamin IIIb of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry; non cross-reactive with Dynamin I.

Molecular weight of Dynamin II: 100 kDa. Western blotting positive control: HeLa and NIH/3T3 cell lysate.

**IMMUNOGEN**

A peptide at the carboxy terminus of human Dynamin II.

**STORAGE**

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

**REFERENCES**

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