
Anti-PP-1

Cat #: HM1288
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Many protein serine/threonine phosphatases have been identified in eukaryotic cells. These include protein phosphatases 1, 2A, 2B, X and Y. Protein phosphatase holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. PP1 is involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory.

SPECIFICITY

This antibody specifically reacts with PP1, PP2A, PP2B and PPX of human, mouse and rat origin.

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

IMMUNOGEN

A synthetic peptide derived from N-terminus of human PP-1 α protein.

STORAGE

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

REFERENCES

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