

Polyclonal Antibody to Prohibitin - Purified

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| Alternate names: | DP3115 |
| Catalog No.: | AP00523PU-N |
| Quantity: | 0.5 mg |
| Concentration: | 1.0 mg/ml |
| Background: | Prohibitin is an evolutionary conserved protein located in the inner membrane of mitochondria. Prohibitin appears to be a very reliable marker of mitochondria. Prohibitin shows antiproliferative activity and has been proposed to play a role in normal cell cycle regulation, replicative senescence, cellular immortalization, and tumor suppression. |
| Host: | Rabbit |
| Immunogen: | Purified recombinant rat prohibitin protein. |
| Format: | State: Liquid Purification: Protein A affinity purified immunoglobulin fraction Buffer System: 10mM PBS pH 7.4 with 0.09% sodium azide as preservative and 0.2% BSA as stabilizer. |
| Applications: | Immunofluorescence. Immunoprecipitation (Native and denatured): use Protein A and Ab at 5-10 µg/mg protein lysate. Western Blotting (5-10 µ/ml for 2hrs at RT). Immunohistology (Formalin/paraffin): 5-10 µg/ml for 30 minutes at RT; REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0; Recommended positive control: A427, MAD109 Cells, Heart. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody is very useful as marker for Mitochondria. Cellular Localization: cytoplasmic. Mol. Wt of Antigen: 30 kD. Species: Human, Pig, Rat, Mouse, and Chicken. Other species not tested. |
| Storage: | Store at 2-8°C for up to one month or in aliquots at -20°C for longer. Avoid repeated freeze thaw cycles! Shelf life: one year from despatch. |
| General Readings: | 1. Sato, T., et al. Cancer Res.1992, 52:1643-1646. 2. Terashima, M., et al. EMBO J 1994, 13:3782-92. 3. Nuell, M.J., et al. Mol. Cell. Biol. 11:1372-1381 |

Pictures:

Formalin-fixed, paraffin-embedded human heart stained with Prohibitin Ab (Cat. AP00523) using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of cardiac muscle cells.

