

Monoclonal Antibody to Prohibitin

Catalog No.:	DM323-05
Quantity:	0.5 ml
Host / Isotype:	Mouse / IgG1
Clone:	11-14-10
Immunogen:	BALB/C mice were injected with purified recombinant rat prohibitin protein.

Format: This antibody is supplied as purified immunoglobulin fraction containing 0.05% sodium azide as preservative.

Applications: Immunohistochemistry on paraffin embedded sections. This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. We suggest an incubation period of 30 minutes at room temperature. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. Immunoprecipitation. Immunofluorescence. Western Blot.
Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: This antibody is specific to 30 kD protein known as Prohibitin. Prohibitin is an evolutionarily conserved protein located in the inner membrane 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. This antibody cross reacts with mouse, rat and pig. Positive Control: Heart. Cellular Localization: Cytoplasmic.

Storage: Store the antibody at 4-8 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. McClung et al. Exp Gerontol 30 (2): 99, 1995.
2. Sato et al. Can