

MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. CE-049A

Anti-Prohibitin1 (PHB1) antibody

BACKGROUND

Prohibitin1 (PHB1), which was initially described as an inhibitor of cell proliferation, is a highly conserved protein found in multiple cellular compartments. In the nucleus it interacts with the transcriptional regulators Rb and E2F1 and controls cell proliferation and apoptosis.

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|----------------------|---|
| Product type | Primary antibodies |
| Host | Rat |
| Source | Culture supernatant |
| Form | Liquid |
| | Purified monoclonal antibody in PBS, 50% Glycerol, 0.05% NaN ₃ . |
| Volume | 100 µl |
| Concentration | 1 mg/ml |
| Specificity | Prohibitin1 |
| Antigen | Synthetic peptide corresponding to the C-terminus region (aa 233 - 246) of human Prohibitin1, DGLIELRKLEAAED. |
| Clone | 1G5C1 |
| Isotype | IgG2b |

Application notes WB, IHC Not tested for other applications.

Recommended dilutions

Western blotting, 1/1,000 to 1/5,000

Immunohistochemistry, 1/100 to 1/500

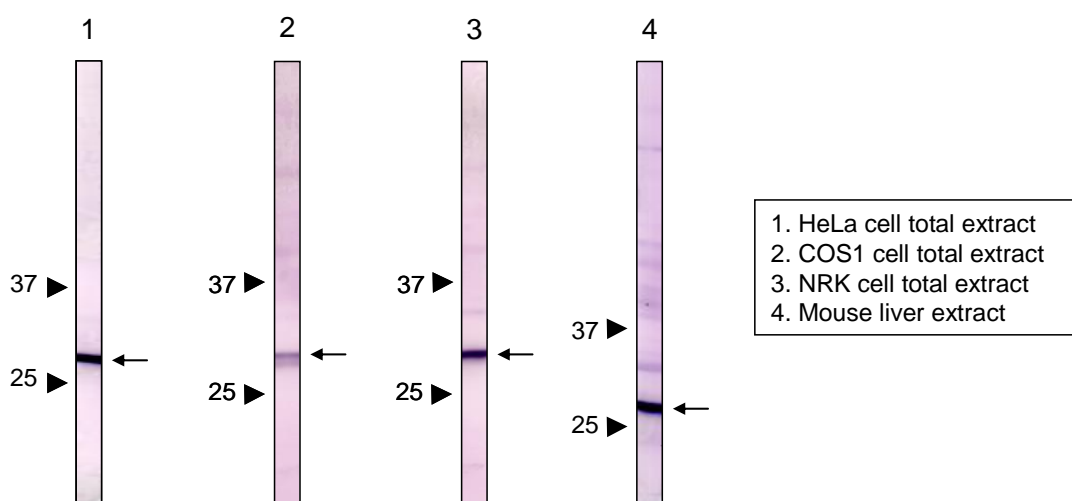


Fig.1 Western blot - Prohibitin1(PHB1) antibody (1G5C1)

Optimal dilutions/concentrations should be determined by the end user.

Anti-Prohibitin1 (PHB1) antibody

| | |
|-------------------------|--|
| Cross reactivity | Human, Monkey, Mouse, Rat Other species have not been tested. |
| Storage | Store below -20°C (below -70°C for prolonged storage). |
| References | 1) Schneider et al.,(2010) Prohibitin1 acts as a neural crest specifier in Xenopus development by repressing the transcription factor E2F1. Development, 137, 4073-4081. |

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