

## Anti-Prohibitin Antibody [PHB/1882] - BSA and Azide free (A252804)

### Specifications:

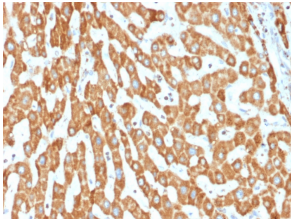
Name:	Anti-Prohibitin Antibody [PHB/1882] - BSA and Azide free
Description:	Mouse monoclonal [PHB/1882] antibody to Prohibitin.
Specificity:	This antibody recognizes a protein of 30kDa which is identified as Prohibitin, an evolutionarily conserved protein with homologues found in yeast to man. It is located in the inner membrane of mitochondria. Although prohibitin mRNA and protein expression occurs throughout the cell cycle, maximum levels are detected during the G1/S phase transition and minimum levels are seen in S phase and the G2/mitosis boundary. Prohibitin is located exclusively in the mitochondria with the highest concentration on the inner membrane. Prohibitin is an ideal mitochondrial marker. It shows antiproliferative activity and has been proposed to play a role in normal cell cycle regulation, replicative senescence, cellular immortalization, and tumor suppression.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 167-261, of human PHB protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PHB/1882
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Prohibitin Antibody [PHB/1882] (A249624).

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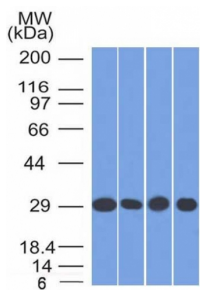
## Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

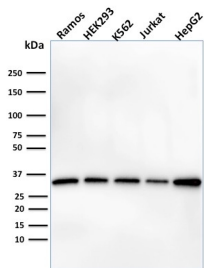
## Images:



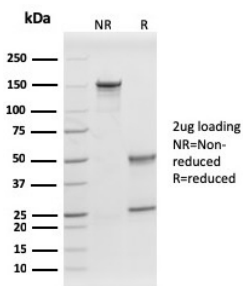
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human liver using Anti-Prohibitin Antibody [PHB/1882].



Western blot analysis of (Lane 1) A549 cell line lysate, (Lane 2) K562 cell line lysate, (Lane 3) A431 cell line lysate, and (Lane 4) MCF-7 cell line lysate using Anti-Prohibitin Antibody [PHB/1882].



Western blot analysis of human Ramos, HEK293, K562, Jurkat, and HepG2 cell lysates using Anti-Prohibitin Antibody [PHB/1882].



SDS-PAGE analysis of Anti-Prohibitin Antibody [PHB/1882] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.