

Product Name: Prohibitin (15G5) Rabbit Monoclonal Antibody
Catalog #: AMRe16518



Summary

Production Name	Prohibitin (15G5) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	PHB
Alternative Names	PHB; PHB1; HEL 215; Epididymis secretory sperm binding protein Li 54e;
Gene ID	5245.0
SwissProt ID	P35232.A synthetic peptide of human Prohibitin

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	30kDa

Background

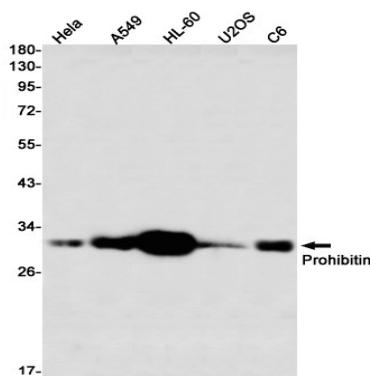
Product Name: Prohibitin (15G5) Rabbit Monoclonal Antibody
Catalog #: AMRe16518



PHB1 is 30kDa tumor suppressor protein involved in cell cycle control. PHB1 has been found in mitochondria, the nucleus and the plasma membrane, as well as extracellularly in circulation. In mitochondria prohibitins mainly exist as membrane-bound ring complexes and function as chaperones maintaining mitochondrial protein stability during protein synthesis and transportation. Protein with pleiotropic attributes mediated in a cell- compartment- and tissue-specific manner, which include the plasma membrane-associated cell signaling functions, mitochondrial chaperone, and transcriptional co-regulator of transcription factors in the nucleus (PubMed: [11302691](http://www.uniprot.org/citations/11302691), PubMed: [20959514](http://www.uniprot.org/citations/20959514), PubMed: [28017329](http://www.uniprot.org/citations/28017329), PubMed: [31522117](http://www.uniprot.org/citations/31522117)). Plays a role in adipose tissue and glucose Homeostasis in a sex-specific manner (By similarity). Contributes to pulmonary vascular remodeling by accelerating proliferation of pulmonary arterial smooth muscle cells (By similarity).

Research Area

Image Data



Western blot detection of Prohibitin in HeLa,A549,HL-60,U2OS,C6 using Prohibitin antibody(1:1000 diluted).

Note

For research use only.