

Mouse Prohibitin Monoclonal Antibody | anti-PHB antibody

Prohibitin Mouse Monoclonal Antibody

CATALOG # AAA330107	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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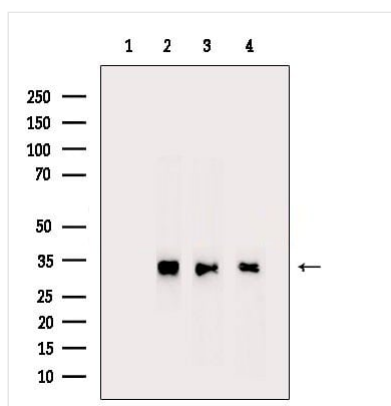
PRODUCT SYNONYMS

Prohibitin; Monoclonal Antibody; Prohibitin Mouse Monoclonal Antibody; Epididymis luminal protein 215; Epididymis secretory sperm binding protein Li 54e; HEL 215; HEL S 54e; PHB; PHB_HUMAN; PHB1; anti-PHB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	Prohibitin Antibody detects endogenous levels of total Prohibitin.
Purity/Purification	Affinity-chromatography.
Form/Format	Supplied in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/mL (varies by lot)
Applicable Applications for anti-PHB antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human Prohibitin, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from various samples, using Prohibitin Mouse Monoclonal Ab. Lane 1: (CAT# please inquire) cells treated with blocking-peptides, Lane 2: (CAT# please inquire) cells, Lane 3: Mouse heart tissue, Lane 4: Rat heart tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-PHB antibody	The prohibitins, called PHB1 and PHB2, are highly conserved proteins that are present in multiple compartments in eukaryotic cells. PHB1 is 30kDa tumor suppressor protein involved in cell cycle control (1). PHB1 has been found in mitochondria, the nucleus and the plasma membrane, as well as extracellularly in circulation (2). In mitochondria prohibitins mainly exist as membrane-bound ring complexes and function as chaperones maintaining mitochondrial protein stability during protein synthesis and transportation (3,4). In the nucleus prohibitins interact with transcription factors such as Rb and p53 to regulate target gene transcription (2,5). Extracellular prohibitin can bind and activate C3 to enhance complement activation (6).
Product Categories/Family for anti-PHB antibody	Primary antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	5245
UniProt Accession #	P35232
Molecular Weight	30kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/prohibitin-antibody-western-blot-elisa/330107>