

KD-Validated Anti-Prohibitin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1052

Product Information

Application	WB, FC, ICC
Primary Accession	P35232
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB6045
Calculated MW	29804
Gene Name	PHB1
Aliases	Prohibitin 1; PHB; Prohibitin; Epididymis Secretory Sperm Binding Protein Li 54e; Epididymis Luminal Protein 215; HEL-S-54e; HEL-215
Immunogen	A synthesized peptide derived from human Prohibitin

Additional Information

Gene ID	5245
Other Names	Prohibitin 1, PHB1 {ECO:0000303 PubMed:28017329, ECO:0000312 HGNC:HGNC:8912}

Protein Information

Name	PHB1 {ECO:0000303 PubMed:28017329, ECO:0000312 HGNC:HGNC:8912}
Function	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 , PubMed: 20959514 , PubMed: 28017329 , PubMed: 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).
Cellular Location	Mitochondrion inner membrane. Nucleus. Cytoplasm. Cell membrane
Tissue Location	Widely expressed in different tissues.

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