10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phb antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14648

Specification

Phb antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	P67778
Other Accession	NM_008831, NP_032857
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Yeast, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Chicken, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**30kDa KDa**

Phb antibody - C-terminal region - Additional Information

Gene ID 18673

Alias Symbol	**BAP32, Bap32**

Other Names
Prohibitin, B-cell receptor-associated protein 32, BAP 32, Phb

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Phb antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Phb antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Phb antibody - C-terminal region - Protein Information

Name Phb1

Synonyms Phb {ECO:0000312|MGI:MGI:97572}

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:23241883, PubMed:<a

href="http://www.uniprot.org/citations/24856930" target="_blank">24856930, PubMed:29324904). Plays a role in adipose tissue and glucose homeostasis in a sex-specific manner (PubMed:24947361). Contributes to pulmonary vascular remodeling by accelerating proliferation of pulmonary arterial smooth muscle cells (By similarity).

Cellular Location
Mitochondrion inner membrane. Nucleus Cell membrane. Cytoplasm

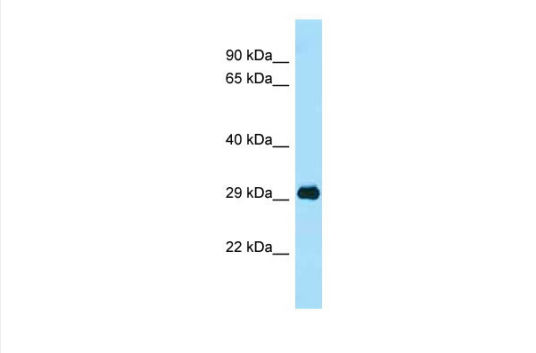
Tissue Location
Widely expressed in different tissues.

Phb antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phb antibody - C-terminal region - Images



Phb antibody - C-terminal region (AI14648) validated by WB using Mouse Thymus at 1.0µg/ml.

Phb antibody - C-terminal region - References

Terashima M.,et al.EMBO J. 13:3782-3792(1994).
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.
Coates P.J.,et al.Exp. Cell Res. 265:262-273(2001).