

Datasheet for ABIN2783328
anti-Prohibitin 2 antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Prohibitin 2 (PHB2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Guinea Pig, Cow, Dog, Horse, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PHB2
Sequence:	WFQYPIIYDI RARPRKISSP TGSKDLQMVN ISLRVLSRPN AQELPSMYQR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 77%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against PHB2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Prohibitin 2 (PHB2)
---------	---------------------

Target Details

Alternative Name:	PHB2 (PHB2 Products)
Background:	<p>PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases (By similarity). It functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. PHB2 competes with NCOA1 for modulation of ER transcriptional activity. It probably involved in regulating mitochondrial respiration activity and in aging.</p> <p>Alias Symbols: BAP, BCAP37, Bap37, MGC117268, PNAS-141, REA, p22</p> <p>Protein Interaction Partner: HUWE1, IGF1R, HDAC1, ESR1, KIAA1244, NCOR1, SUMO2, STAU1, UBC, MDM2, ASB14, ASB17, SUZ12, EED, RNF2, UPF2, ADRB2, CDK2, env, VCAM1, TEAD3, ITGA4, ILF3, FN1, ATF2, C1QBP, AFP, UBL4A, EPAS1, FMNL1, PAXIP1, MDC1, MYOD1, MEF2A, FHL2, ECT2, BRCA1, AKT1, Htt, U</p> <p>Protein Size: 299</p>
Molecular Weight:	33 kDa
Gene ID:	11331
NCBI Accession:	NM_007273 , NP_009204
UniProt:	Q99623
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 299 AA
Restrictions:	For Research Use only

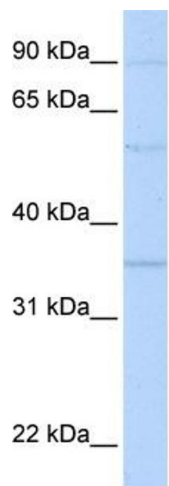
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

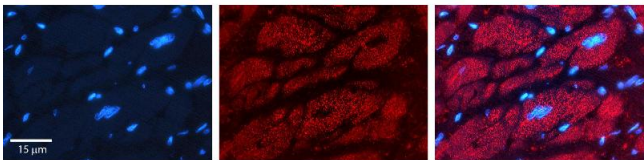
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PHB2 Antibody Titration: 0.2-1 ug/ml Positive Control: MCF7 cell lysate



Immunohistochemistry

Image 2. Rabbit Anti-PHB2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec