e at -20C	PHB2 (E1Z5A) Rabbit mAb		Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
85		Support:	877-678-TECH (8324)		
14085		Web:	info@cellsignal.com cellsignal.com		
#	3 Tra	sk Lane   Danvers   Ma	ssachusetts   01923   USA		

## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 33	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #Q99623	Entrez-Gene Id: 11331		
Product Usage Information	Wes	plication stern Blotting nunoprecipitation nunofluorescence (II	mmunocytochen	iistry)		<b>Dilution</b> 1:1000 1:50 1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		PHB2 (E1Z5A) Rabbit mAb recognizes endogenous levels of total PHB2 protein.						
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human PHB2 protein.						
Background	nucle estro repre rece and deac com	ear and mitochondri ogen receptor-specif esses its transcriptio ptor (2,3). Together HDAC5 to mediate t cetylase to the transc plexes on the mitoch	al compartments fic coregulator. P onal activity throu with COUP trans transcriptional re cription activation hondrial membra	Ily conserved, multifunc (1). Prohibitin-2 (PHB2 HB2 directly interacts w gh competitive inhibitio scription factors, PHB2 i gulation by the estrogen n complex (4). Prohibitin ne (5) and act as chape chondrial morphogenes	REA) was originally with hormone-bound e n of Src-1 coactivation nteracts with histone n receptor through co n PHB1/PHB2 heteroo erones to stabilize mit	identified as an strogen receptor and n of the estrogen deacetylases HDAC1 upling the dimers form large ring ochondrial proteins,		
Background Refer	2. Mo 3. De 4. Ku 5. Ta 6. Ni 7. Mo		(1999) Proc Natl et al. (2000) J Bi ) J Biol Chem 27 5) Mol Biol Cell 1 2000) EMBO J 1 008) Genes Dev	Acad Sci U S A 96, 694 ol Chem 275, 35848-56 9, 24834-43. 6, 248-59. 9, 2444-51. 22, 476-88.				
Species Reactivity	speci	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buffe		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WB:	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity K	X: Xe		B: bovine Dg: do	Mk: monkey Vir: virus I og Pg: pig Sc: S. cerevi es expected				
Trademarks and Patents	XP is All oth	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						
Limited Uses								

## PHB2 (E1Z5A) Rabbit mAb (#14085) Datasheet Without Images Cell Signaling Technology

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.