

DATASHEET

Prohibitin Rabbit Polyclonal Antibody

CAT. NO. APA13618

KEY FEATURES

Target	Prohibitin	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

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 . Plays a role in adipose tissue and glucose homeostasis in a sex-specific manner . Contributes to pulmonary vascular remodeling by accelerating proliferation of pulmonary arterial smooth muscle cells .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Prohibitin
Specificity	Recognizes endogenous levels of Prohibitin protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Prohibitin
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 17; Observed: 30 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Prohibitin
Gene Symbol	PHB
Entrez Gene	5245(Human); 18673(Mouse); 25344(Rat)
SwissProt	P35232(Human); P67778(Mouse); P67779(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

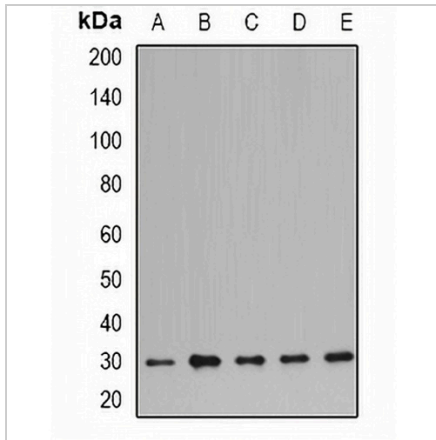
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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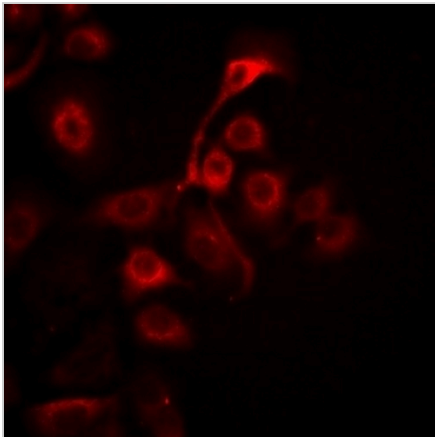
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DATA



Western blot analysis of Prohibitin expression in MCF7 (A), HepG2 (B), NIH3T3 (C), mouse liver (D), rat heart (E) whole cell lysates. (Predicted band size: 17; 29 kD; Observed band size: 30 kD)



Immunofluorescent analysis of Prohibitin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.