

DATASHEET

Prohibitin Mouse Monoclonal Antibody(C3771)

CAT. NO. AMA03383

KEY FEATURES

Target	Prohibitin	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b kappa. Liquid in PBS, 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 - 1:1000
IHC	1:50 - 1:200

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

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Prohibitin
Specificity	Recognizes endogenous levels of Prohibitin protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Prohibitin. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 29 kD; Observed: 30 kD
Form/Buffer	Mouse IgG2b kappa. Liquid in PBS, 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.

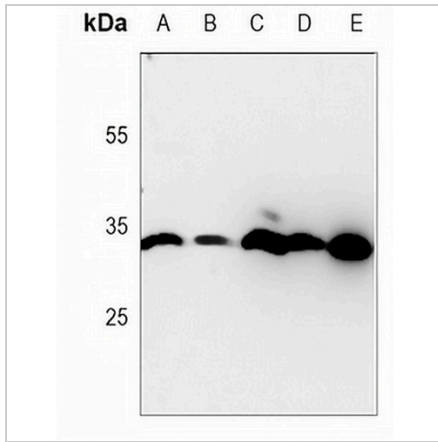
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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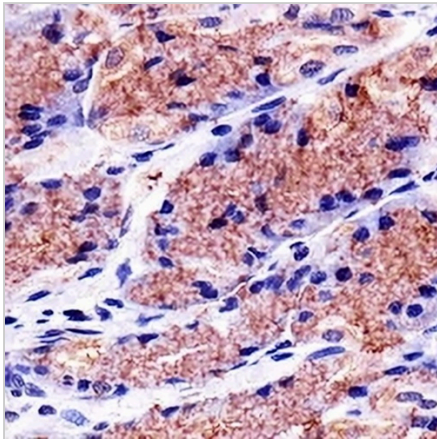
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Western blot analysis of Prohibitin expression in 293 (A), MCF7 (B), HepG2 (C), NIH3T3 (D), rat liver (E) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 30 kD)



Immunohistochemical analysis of Prohibitin staining in human stomach formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.