

## DATASHEET

# PURB Mouse Monoclonal Antibody(C3973)

CAT. NO. AMA03585

### KEY FEATURES

Target	PURB	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

### BACKGROUND

Transcriptional regulator which can act as an activator or a repressor. Represses the transcription of ACTA2 in fibroblasts and smooth muscle cells via its ability to interact with the purine-rich strand of a MCAT- containing element in the 5' flanking region of the gene. Represses the transcription of MYOCD, capable of repressing all isoforms of MYOCD but the magnitude of the repressive effects is most notable for the SMC- specific isoforms. Promotes hepatic glucose production by activating the transcription of ADCY6, leading to cAMP accumulation, increased PKA activity, CREB activation, and increased transcription of PCK1 and G6PC genes .

### APPLICATION

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

WB	1:500 - 1:4000
----	----------------

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

### PRODUCT OVERVIEW

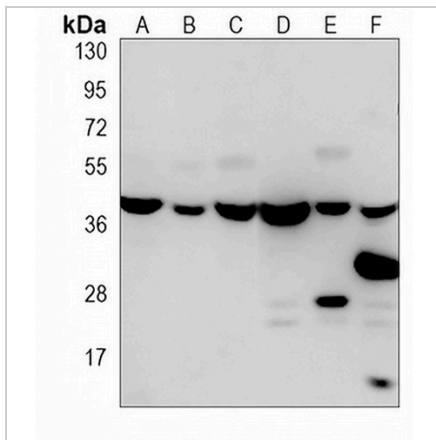
Description	Mouse monoclonal antibody to PURB
Specificity	Recognizes endogenous levels of PURB protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PURB. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 33 kD; Observed: 37 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Transcriptional activator protein Pur-beta; Purine-rich element-binding protein B
Gene Symbol	PURB
Entrez Gene	5814(Human); 19291(Mouse)
SwissProt	Q96QR8(Human); O35295(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto: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.

**DATASHEET****PURB Mouse Monoclonal Antibody(C3973)**

CAT. NO. AMA03585

**DATA**

Western blot analysis of PURB expression in Jurkat (A), HeLa (B), NCIH460 (C), HepG2 (D), MCF7 (E), NIH3T3 (F) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 37 kD)

**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.