

**DATASHEET**

**CHIP Mouse Monoclonal Antibody(C4044)**

CAT. NO. AMA03656

**KEY FEATURES**

Target	CHIP	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**

E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation . Plays a role in the maintenance of mitochondrial morphology and promotes mitophagic removal of dysfunctional mitochondria; thereby acts as a protector against apoptosis in response to cellular stress . Negatively regulates vascular smooth muscle contraction, via degradation of the transcriptional activator MYOCD and subsequent loss of transcription of genes involved in vascular smooth muscle contraction . Promotes survival and proliferation of cardiac smooth muscle cells via ubiquitination and degradation of FOXO1, resulting in subsequent repression of FOXO1-mediated transcription of pro-apoptotic genes .

**APPLICATION**

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

WB	1:1000 - 1:2000
----	-----------------

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

**PRODUCT OVERVIEW**

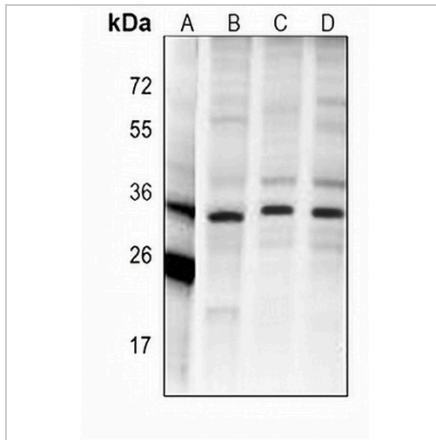
Description	Mouse monoclonal antibody to CHIP
Specificity	Recognizes endogenous levels of CHIP protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CHIP. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 34 kD; Observed: 35 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CHIP; E3 ubiquitin-protein ligase CHIP; Antigen NY-CO-7; CLL-associated antigen KW-8; Carboxy terminus of Hsp70-interacting protein; STIP1 homology and U box-containing protein 1
Gene Symbol	STUB1
Entrez Gene	10273(Human); 56424(Mouse)
SwissProt	Q9UNE7(Human); Q9WUD1(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****CHIP Mouse Monoclonal Antibody(C4044)**

CAT. NO. AMA03656

**DATA**

Western blot analysis of CHIP expression in 293 (A), HeLa (B), HepG2 (C), L929 (D) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 35 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.