

DATASHEET

Chromogranin A Mouse Monoclonal Antibody(C2635)

CAT. NO. AMA02247

KEY FEATURES

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

BACKGROUND

Strongly inhibits glucose induced insulin release from the pancreas.; [Catestatin]: Inhibits catecholamine release from chromaffin cells and noradrenergic neurons by acting as a non-competitive nicotinic cholinergic antagonist . Displays antibacterial activity against Gram-positive bacteria *S.aureus* and *M.luteus*, and Gram-negative bacteria *E.coli* and *P.aeruginosa* . Can induce mast cell migration, degranulation and production of cytokines and chemokines . Acts as a potent scavenger of free radicals in vitro . May play a role in the regulation of cardiac function and blood pressure .

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

PRODUCT OVERVIEW

Description	Mouse monoclonal to Chromogranin A
Specificity	Recognizes endogenous levels of Chromogranin A protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Chromogranin A expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 51 kD; Observed: 51 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Chromogranin-A; CgA; Pituitary secretory protein I; SP-I
Gene Symbol	CHGA
Entrez Gene	1113(Human)
SwissProt	P10645(Human); P26339(Mouse)

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

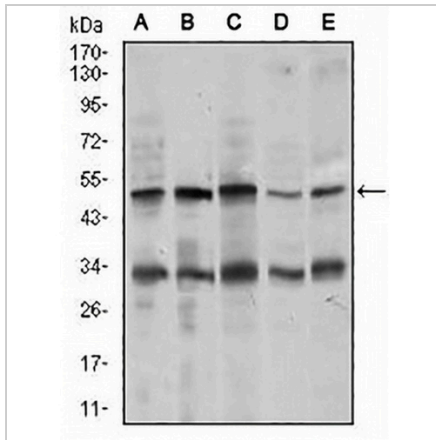
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of Chromogranin A expression in MOLT4 (A), SKNSH (B), HepG2 (C), PC12 (D), C6 (E) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 51 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.