

**DATASHEET**

**Chromogranin A Mouse Monoclonal Antibody(C2634)**

CAT. NO. AMA02246

**KEY FEATURES**

Target	Chromogranin A	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. 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
IHC	1:100 - 1:500
FC	1:100 - 1:200

\*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: 50 kD; Observed: 55 kD kD
Form/Buffer	Mouse IgG2b. 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)

\*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.

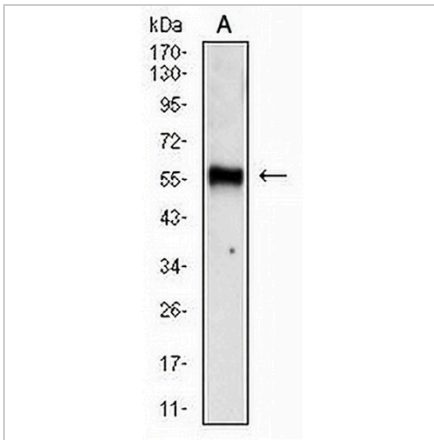
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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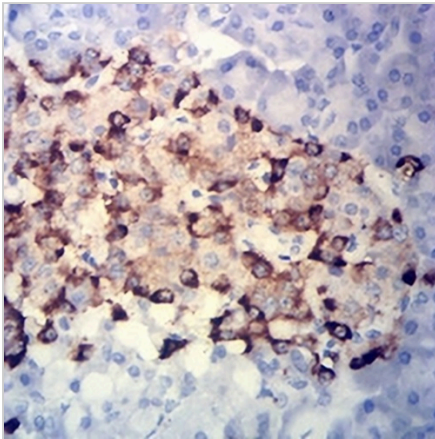
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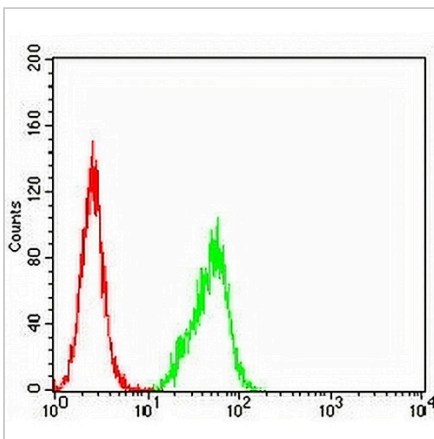
**DATA**



Western blot analysis of Chromogranin A expression in SHSY5Y (A) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 55 kD)



Immunohistochemical analysis of Chromogranin A staining in human pancreatic 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.



Flow cytometric analysis of C6 cells using Anti-Chromogranin A Antibody (green) and negative control (red).

**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.