

Anti-Chromogranin A Antibody

Catalog # AP95772

Product Information

Application	WB, IHC, FC
Primary Accession	P10645
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50688

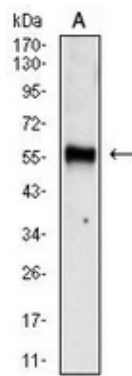
Additional Information

Gene ID	1113
Other Names	Chromogranin-A; CgA; Pituitary secretory protein I; SP-I
Target/Specificity	Recombinant fusion protein of human Chromogranin A expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

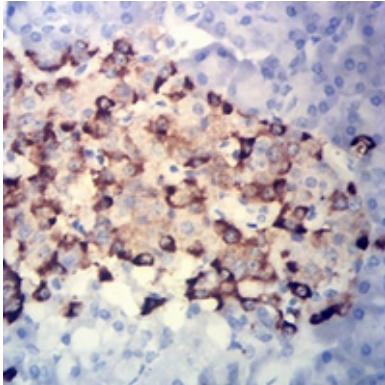
Protein Information

Name	CHGA
Function	[Pancreastatin]: Strongly inhibits glucose induced insulin release from the pancreas. [Serpinin]: Regulates granule biogenesis in endocrine cells by up-regulating the transcription of protease nexin 1 (SERPINE2) via a cAMP-PKA-SP1 pathway. This leads to inhibition of granule protein degradation in the Golgi complex which in turn promotes granule formation.
Cellular Location	[Serpinin]: Secreted {ECO:0000250 UniProtKB:P26339}. Cytoplasmic vesicle, secretory vesicle {ECO:0000250 UniProtKB:P26339}. Note=Pyroglutaminated serpinin localizes to secretory vesicle. {ECO:0000250 UniProtKB:P26339}
Tissue Location	Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Detected in urine (at protein level) (PubMed:37453717).

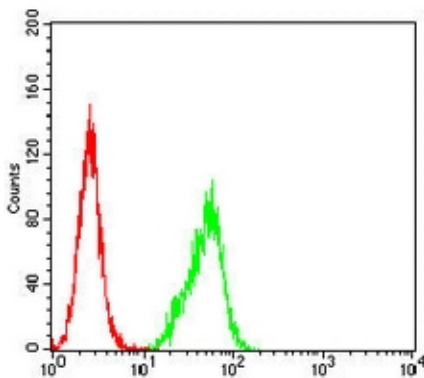
Images



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.