10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHGA / Chromogranin A Antibody
Mouse Monoclonal Antibody
Catalog # ALS14449

Specification

CHGA / Chromogranin A Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P10645
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**51kDa KDa**

CHGA / Chromogranin A Antibody - Additional Information

Gene ID 1113

Other Names
Chromogranin-A, CgA, Pituitary secretory protein I, SP-I, Vasostatin-1, Vasostatin I, Vasostatin-2, Vasostatin II, EA-92, ES-43, Pancreastatin, SS-18, WA-8, WE-14, LF-19, AL-11, GV-19, GR-44, ER-37, CHGA

Reconstitution & Storage
Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions
CHGA / Chromogranin A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CHGA / Chromogranin A Antibody - 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).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

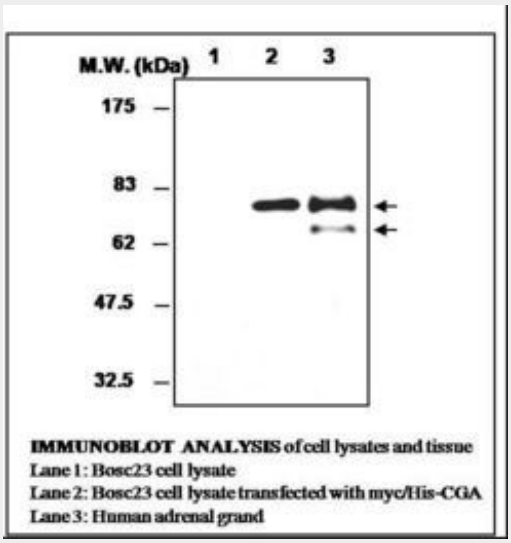
Volume
50 µl

CHGA / Chromogranin A Antibody - Protocols

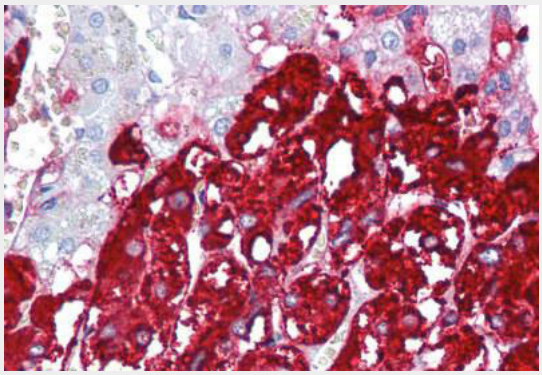
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHGA / Chromogranin A Antibody - Images



0



Anti-CHGA / Chromogranin A antibody IHC of human adrenal.

CHGA / Chromogranin A Antibody - Background

Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHGA / Chromogranin A Antibody - References

Konecki D.S.,et al.J. Biol. Chem. 262:17026-17030(1987).
Helman L.J.,et al.J. Biol. Chem. 263:11559-11563(1988).
Mouland A.J.,et al.J. Biol. Chem. 269:6918-6926(1994).
Mouland A.J.,et al.Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.