

Store at
-20C
#60893

CHGA Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #P10645	Entrez-Gene Id: 1113
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

CHGA Antibody recognizes endogenous levels of total CHGA protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val252 of human CHGA protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Chromogranin A (CHGA) and Chromogranin B (CHGB) are members of the chromogranin/secretogranin family of neuroendocrine secretory proteins. They reside in the secretory vesicles of neurons and endocrine cells and are debated to regulate cargo in the secretory pathway (1,2). CHGA is also useful as a serological and immunohistological marker for the presence of neuroendocrine tumors (NETs) from various tissue sources (3,4). CHGA may also be useful for the assessment of disease progression (5,6).

Background References

1. Machado, J.D. et al. (2010) *Cell Mol Neurobiol* 30, 1181-7.
2. Dominguez, N. et al. (2018) *J Neurochem* 144, 241-54.
3. Weisbrod, A.B. et al. (2013) *Horm Cancer* 4, 165-75.
4. Annaratone, L. et al. (2014) *Endocr Pathol* 25, 219-28.
5. Ardill, J.E. and Eriksson, B. (2003) *Endocr Relat Cancer* 10, 459-62.
6. Welin, S. et al. (2009) *Neuroendocrinology* 89, 302-7.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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