

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chromogranin A in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 948107
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived human Chromogranin A Met1-Gly457 Accession # P10645
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

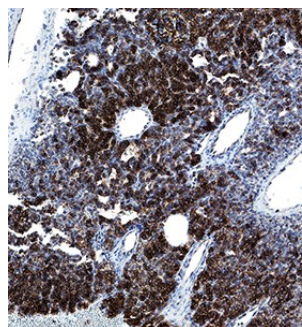
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Immunohistochemistry	1-25 µg/mL	See Below

DATA

Immunohistochemistry



Chromogranin A in Human Parathyroid.
Chromogranin A was detected in immersion fixed paraffin-embedded sections of human parathyroid using Mouse Anti-Human Chromogranin A Monoclonal Antibody (Catalog # MAB9098) at 1.7 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in chief cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human Chromogranin A (CHGA) an acidic protein and a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is located in secretory vesicles of neurons and endocrine cells such as islet beta cell secretory granules in pancreas. Chromogranin A expression has been observed in neuroendocrine tumors, medullary thyroid carcinoma, as well as carcinoid tumors.