

## Chromogranin A Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50125

Clone# BP6129

**Predicted Molecular Wt:** 51kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P10645

### Background:

Chromogranin A (CGA) is an acidic protein which is reported to be widely expressed in neural tissues and in secretory granules of human endocrine cells eg parathyroid gland, adrenal medulla, anterior pituitary gland, islet cells of the pancreas and C cells of the thyroid.

CGA is found in the large majority of epithelial NE tumours: pituitary adenomas, parathyroid and pancreatic islet cell tumours, medullary thyroid carcinoma, and carcinoid tumours.

Together with synaptophysin, CGA is the most important marker for the identification of NE and neuronal tumours and NE/neuronal differentiation in other tumours.

### Subcellular location:

Cytoplasm

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to residues within aa400 to aa600 of Chromogranin A was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

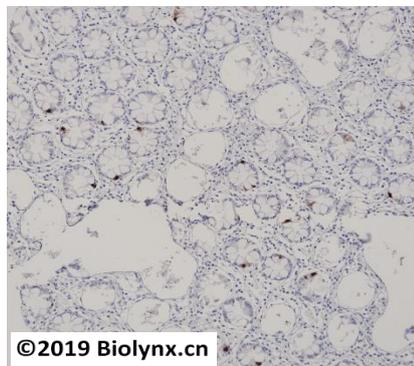
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Konecki DS, Benedum UM, Gerdes HH et al. J Biol Chem 1987;262:17026-17030.
2. Lloyd RV, Cano M, Rosa P, et al. Am J Pathol 1988;130:296-304.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of colon labelling Chromogranin A with BP6129. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.