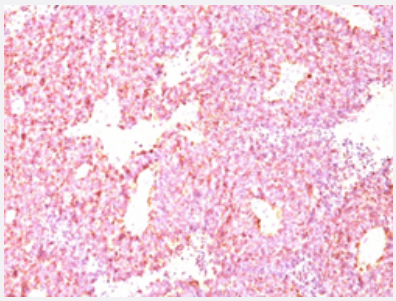
# CHGA monoclonal antibody, clone LK2H10 + PHE5

Catalog # MAB21149 Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small cell lung carcinoma with CHGA monoclonal antibody, clone LK2H10 + PHE5 (Cat # MAB21149).

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against human CHGA. |
| **Immunogen** | Human pheochromocytoma. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 68-75 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG1, kappa |
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells in 0.1 mL)<br>Immunofluorescence (0.5-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS (0.05% BSA, 0.05% sodium azide). |

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| **Storage Instruction** | Store at 4°C. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small cell lung carcinoma with CHGA monoclonal antibody, clone LK2H10 + PHE5 (Cat # MAB21149).

- Immunofluorescence

- Flow Cytometry

## Gene Info — CHGA

| | |
|---|---|
| **Entrez GeneID** | 1113 |
| **Protein Accession#** | P10645 |
| **Gene Name** | CHGA |
| **Gene Alias** | CGA |
| **Gene Description** | chromogranin A (parathyroid secretory protein 1) |
| **Omim ID** | 118910 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuro endocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and p arastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrin e system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derive d from the full-length protein. However, biological activities for these molecules have not been sho wn. [provided by RefSeq |
| **Other Designations** | betagranin (N-terminal fragment of chromogranin A)\|chromogranin A\|parathyroid secretory protein 1 |

## Disease

- Genetic Predisposition to Disease
- Glomerulonephritis
- Hypertension
- Kidney Failure
- Prostatic Neoplasms
- Schizophrenia