

# **CHROMOGRANIN A (LK2H10)**

Format	Catalog No.	Pack size	Dilution
Concentrated	G0091 A, B, C	0.1, 0.5, 1.0 mL	1:100
Prediluted	G0091 AA, BB	6.0, 3.0 mL	Ready to use

**SPECIES:** Mouse

IMMUNOGEN: Human pheochromocytoma

CLONE: LK2H10
ISOTYPE: IgG1, kappa

FORMAT: 200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM EDTA

with 0.05% BSA & 0.05% azide.

**SPECIFICITY** – All of the body's neuroendocrine cells, including those in the pancreatic islets, the adrenal medulla, and the large and small intestine, contain chromogranin A. It is a great indicator for neuroendocrine tumours such as paragangliomas, pheochromocytomas, and carcinoid tumours.

#### **BACKGROUND -**

Neuroendocrine neoplasms frequently exhibit co-expression of neurone specific enolase (NSE) and chromogranin A. According to reports, co-expression of specific chromogranins and keratins suggests neuroendocrine lineage. The likelihood of paraganglioma should increase if there is high anti-chromogranin staining and no anti-keratin staining. Neuroendocrine neoplasms are known to co-express chromogranin and NSE. Chromogranin is easily expressed by the majority of pituitary adenomas and prolactinomas.

**SPECIES REACTIVITY**: Human, Monkey, Pig, Mouse and Rat; Does not react with Guinea Pig, Sheep & Rabbit; Others not known.

**POSITIVE CONTROL**: PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.

**CELLULAR LOCALIZATION:** Finely granular cytoplasmic.

 $\textbf{TITER/WORKING DILUTION::} Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1~\mu g/ml$ 

Flow Cytometry: 0.5-1 µg/million cells

Western Blotting: 0.5-1  $\mu$ g/ml Immunofluorescence: 0.5-1  $\mu$ g/ml

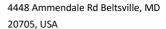
Immunoprecipitation: 0.5-1 μg/500μg protein lysate

MICROBIOLOGICAL STATE: This product is not sterile.

## **LIMITATIONS AND USES:**

- 1. Not to be consumed internally.
- 2. For research purposes only (RUO).
- 3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffinembedded









- 4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.
- 5. If the reagent gets hazy, don't use it.
- 6. Never use after the expiration date.
- 7. When working with reagents, exercise caution.
- 8. Not sterile.

#### PROCEDURE -

- 1. Tissue Section Pretreatment (Necessary): Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin.
- Incubation Time for Primary Antibody: We recommend 30 minutes at room temperature for incubation.
  - However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
- 3. Visualisation: To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" with the "HRP Anti-Polyvalent".

### PRECAUTIONS -

- 1. Contains 0.09% w/v sodium azide as a preservative.
- 2. Avoid pipetting by mouth.
- 3. Reagents and specimens should not come into touch with skin or mucous membranes.
- 4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
- 5. There are no dangerous materials in this product.

## **TECHNICAL SUPPORT**

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com





