

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.

TITER/WORKING DILUTION : : Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml

Flow Cytometry: 0.5-1 µg/million cells

Western Blotting: 0.5-1 µg/ml

Immunofluorescence: 0.5-1 µg/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, paraffin-embedded



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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.
2. **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



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