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DATA SHEET

Mouse Anti-RET/PTC [MD395]: MC0654, MC0654RTU7

Intended Use: For Research Use Only

Description: The Ret proto-oncogene is structurally related to the growing family of tyrosine kinase transmembrane receptors and is involved in GDNF signaling. RET expression is reported in several regions of the central nervous system; in the developing cranial nerve ganglia and a subset of cells within dorsal root ganglia, in motor neurons in the spinal cord and hindbrain, in neuro-retina and the growing tips of the renal collecting ducts in developing kidney. Alterations in RET gene are associated with diseases including papillary thyroid carcinoma, multiple endocrine neoplasia (type 2A and 2B), familial medullary thyroid carcinoma, and a congenital developmental disorder known as Hirschsprung's disease.

Specifications

Clone:	MD395
Source:	Mouse
Isotype:	IgG2c/k
Reactivity:	Human
Immunogen:	Recombinant fragment aa 702-848 of human RET protein
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

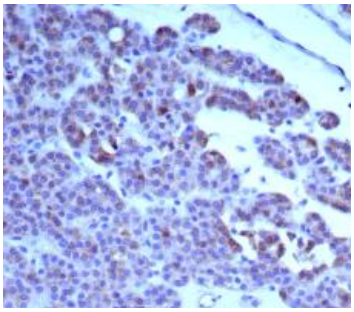
Package:

Description	Catalog No.	Size
RET/PTC [MD395] Concentrated	MC0654	1 ml
RET/PTC [MD395] Prediluted	MC0654RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Breast, colon or prostate carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human parathyroid stained with anti-RET using DAB

References:

1. RET Proto-Oncogene—Not Such an Obvious Starting Point in Cancer Therapy. Tomasz Kucharczyk, et al. Cancers. 14(21), 5298, 2022. https://doi.org/10.3390/cancers14215298.
2. Immunohistochemical detection of RET proto-oncogene product in tumoral and nontumoral mucosae of gastric cancer
3. Fan Zhang, et al. Anal Quant Cytopathol Histpathol. Jun;36(3):128-36, 2014.
4. Cloning and expression of the ret proto-oncogene encoding a tyrosine kinase with two potential transmembrane domains. M Takahashi, et al. Oncogene. Nov;3(5):571-8, 1988.

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