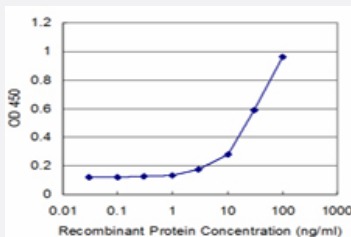


RET monoclonal antibody (M01), clone 1A5

Catalog # H00005979-M01

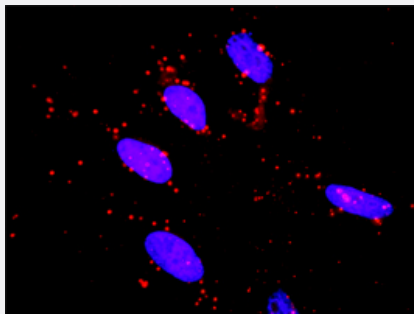
Size 100 ug

Applications



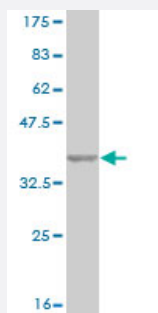
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RET is approximately 3ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and RET. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-RET mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant RET.

Immunogen	RET (AAH03072, 361 a.a. ~ 458 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NLSISENRTMQLAVLVNDSDFQGPGAGVLLLHFNVSVLPVSLHLPSTYSLSVSRRARRFAQIGKV CVENCLADLTGDAVSGRDEARSSGLGSQKHPGS
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RET is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and RET. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-RET mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — RET

Entrez GeneID	5979
GeneBank Accession#	BC003072
Protein Accession#	AAH03072

Gene Name	RET
Gene Alias	CDHF12, HSCR1, MEN2A, MEN2B, MTC1, PTC, RET-ELE1, RET51
Gene Description	ret proto-oncogene
Omim ID	142623 155240 162300 164761 171300 171400 209880
Gene Ontology	Hyperlink
Gene Summary	This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This gene plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological validity has not been confirmed. [provided by RefSeq]
Other Designations	RET transforming sequence cadherin family member 12 hydroxyaryl-protein kinase oncogene RET receptor tyrosine kinase ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)

Pathway

- [Endocytosis](#)
- [Pathways in cancer](#)
- [Thyroid cancer](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adrenal Gland Neoplasms](#)
- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Carcinoma](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Digestive System Abnormalities](#)
- [Disease Progression](#)
- [Down Syndrome](#)
- [Endocrine Gland Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Tumor](#)
- [Hashimoto Disease](#)
- [Head and Neck Neoplasms](#)
- [Hippel-Lindau Disease](#)
- [Hirschsprung Disease](#)
- [Hydronephrosis](#)
- [Hyperplasia](#)
- [Hypertension](#)
- [Intestinal Diseases](#)
- [Kidney Diseases](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Macular Degeneration](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Multiple Endocrine Neoplasia Type 2b](#)
- [Necrosis](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)

- [Neoplasms](#)
- [Neurofibromatosis](#)
- [Nondisjunction](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Paranganglioma](#)
- [Parkinson disease](#)
- [Pheochromocytoma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Sudden Infant Death](#)
- [Syndrome](#)
- [Taste](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urea Cycle Disorders](#)
- [Urinary Bladder Neoplasms](#)
- [Urogenital Abnormalities](#)
- [Vesico-Ureteral Reflux](#)
- [Vitamin A Deficiency](#)
- [von Hippel-Lindau Disease](#)

- [Von Hippel-Lindau syndrome](#)
- [Werner syndrome](#)