



# RET, Ret proto-oncogene polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-11063
Animal ID	RB0707-0708
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_000323
Amount	100µg

#### Alternative Name(s):

multiple endocrine neoplasia and medullary thyroid carcinoma 1 protein, Hirschsprung disease protein, ret oncogene, PTC, MTC1, HSCR1, MEN2A, MEN2B, RET51, CDHF12, cadherin family member 12, hydroxyaryl-protein kinase

#### References:

1. Borrego S, Wright FA, Fernandez RM, Williams N, Lopez-Alonso M, Davuluri R, Antinolo G, Eng C: A founding locus within the RET proto-oncogene may account for a large proportion of apparently sporadic Hirschsprung disease and a subset of cases of sporadic medullary thyroid carcinoma. *Am. J. Hum. Genet.* 72(1): 88-100 (2003).
2. Takahashi M, Buma Y, Hiai H: Isolation of ret proto-oncogene cDNA with an amino-terminal signal sequence. *Oncogene* 4(6): 805-806 (1989).
3. Takahashi M, Cooper GM: ret transforming gene encodes a fusion protein homologous to tyrosine kinases. *Mol. Cell. Biol.* 7(4): 1378-1385 (1987).

The ret proto-oncogene (RET) is a member of the cadherin superfamily and functions as a receptor tyrosine kinases. RET is located at the cell-surface and transduces signals for cell growth and differentiation into the cell. RET plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in the ret gene are associated with the disorders multiple endocrine neoplasia type IIA, multiple endocrine neoplasia type IIB, Hirschsprung disease, and medullary thyroid carcinoma.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

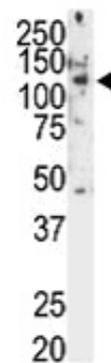
KLH conjugated synthetic peptide comprised of amino acids 1078 - 1093 [TRADGTNTGFPRYPND] of the human ret proto-oncogene (RET) protein.

#### Application

Tested by peptide-specific ELISA (1:1,000).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.



WB analysis of SKBR3 cell lysate