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Product datasheet for AP14410PU-N

RET (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/50-1/100. **Flow Cytometry:** 1/10-1/50. **Immunohistochemistry on Paraffin Sections:** 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 21~51 amino acids from the N-terminal region of Human RET
Specificity:	This antibody recognizes Human RET (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ret proto-oncogene
Database Link:	Entrez Gene 5979 Human P07949

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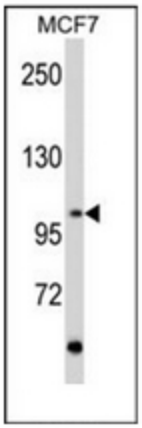
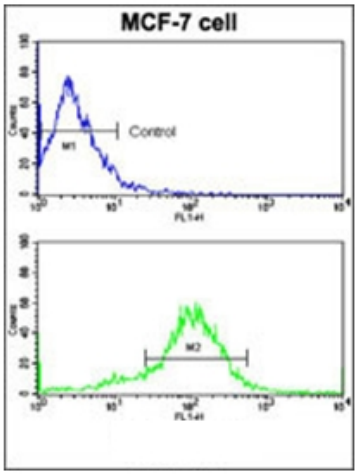
Background: RET, a member of the cadherin superfamily, is one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This protein plays a crucial role in neural crest development, and the gene can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations i are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma.

Synonyms: C-ret, CDHF12

Product images:



Western blot analysis of RET Antibody in MCF7 cell line lysates (35ug/lane). RET (arrow) was detected using the purified Pab.



Flow cytometric analysis of MCF-7 cells using RET Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.