

## Product datasheet for **AP14411PU-N**

### RET (C-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC, WB   |
| Recommended Dilution: | ELISA: 1/1,000.<br>Immunohistochemistry: 1/50 - 1/100.<br>Western Blot.   |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human RET. |
| Specificity:          | This antibody reacts to RET.  |
| Formulation:          | PBS with 0.09% (W/V) sodium azide<br>State: Purified<br>State: Liquid purified Ig   |
| 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 the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.           |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | ret proto-oncogene  |
| Database Link:        | <a href="#">Entrez Gene 5979 Human P07949</a>   |



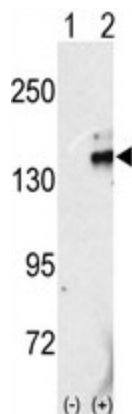
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**Background:**

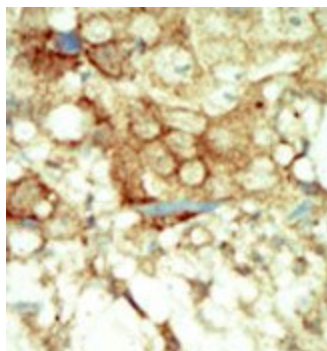
RET, a member of the cadherin superfamily, is one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This protein plays a crucial role in neural crest development, and the gene can undergo oncogenic activation *in vivo* and *in vitro* by cytogenetic rearrangement. Mutations 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 (arrow) using rabbit polyclonal RET Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the RET gene (Lane 2).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.