

**Anti-c-RET Reference Antibody (Regeneron patent anti-RET)  
Recombinant Antibody  
Catalog # APR10848****Specification**

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**Anti-c-RET Reference Antibody (Regeneron patent anti-RET) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P07949</a>
Reactivity	Cynomolgus, Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-c-RET Reference Antibody (Regeneron patent anti-RET) - Additional Information****Target/Specificity**  
c-RET**Endotoxin**

&lt; 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Storage**

-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-c-RET Reference Antibody (Regeneron patent anti-RET) - Protein Information****Name** RET ([HGNC:9967](#))**Synonyms** CDHF12, CDHR16, PTC, RET51**Function**

Receptor tyrosine-protein kinase involved in numerous cellular mechanisms including cell proliferation, neuronal navigation, cell migration, and cell differentiation upon binding with glial cell derived neurotrophic factor family ligands. Phosphorylates PTK2/FAK1. Regulates both cell death/survival balance and positional information. Required for the molecular mechanisms orchestration during intestine organogenesis; involved in the development of enteric nervous system and renal organogenesis during embryonic life, and promotes the formation of Peyer's

patch-like structures, a major component of the gut-associated lymphoid tissue. Modulates cell adhesion via its cleavage by caspase in sympathetic neurons and mediates cell migration in an integrin (e.g. ITGB1 and ITGB3)-dependent manner. Involved in the development of the neural crest. Active in the absence of ligand, triggering apoptosis through a mechanism that requires receptor intracellular caspase cleavage. Acts as a dependence receptor; in the presence of the ligand GDNF in somatotrophs (within pituitary), promotes survival and down regulates growth hormone (GH) production, but triggers apoptosis in absence of GDNF. Regulates nociceptor survival and size. Triggers the differentiation of rapidly adapting (RA) mechanoreceptors. Mediator of several diseases such as neuroendocrine cancers; these diseases are characterized by aberrant integrins-regulated cell migration. Mediates, through interaction with GDF15-receptor GFRAL, GDF15-induced cell-signaling in the brainstem which induces inhibition of food-intake. Activates MAPK- and AKT- signaling pathways (PubMed:<a href="http://www.uniprot.org/citations/28846097" target="\_blank">28846097</a>, PubMed:<a href="http://www.uniprot.org/citations/28953886" target="\_blank">28953886</a>, PubMed:<a href="http://www.uniprot.org/citations/28846099" target="\_blank">28846099</a>). Isoform 1 in complex with GFRAL induces higher activation of MAPK- signaling pathway than isoform 2 in complex with GFRAL (PubMed:<a href="http://www.uniprot.org/citations/28846099" target="\_blank">28846099</a>).

#### **Cellular Location**

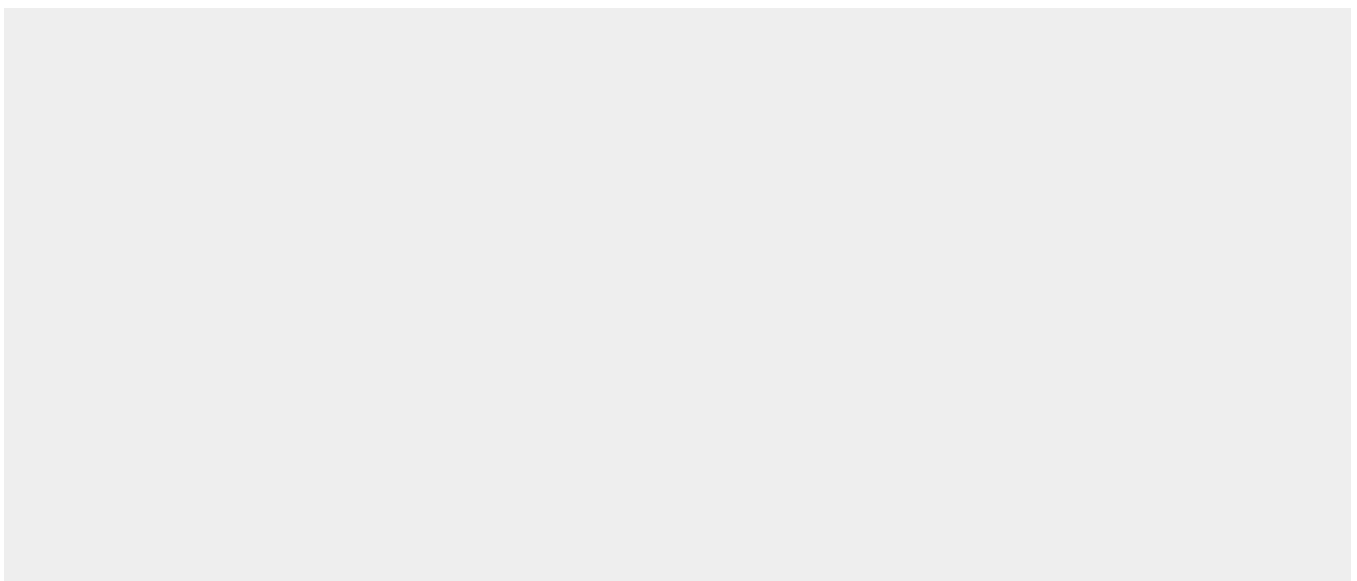
Cell membrane; Single-pass type I membrane protein. Endosome membrane; Single-pass type I membrane protein Note=Predominantly located on the plasma membrane. In the presence of SORL1 and GFRA1, directed to endosomes.

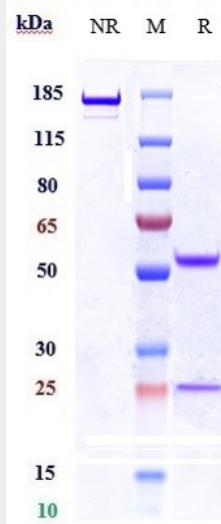
#### **Anti-c-RET Reference Antibody (Regeneron patent anti-RET) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

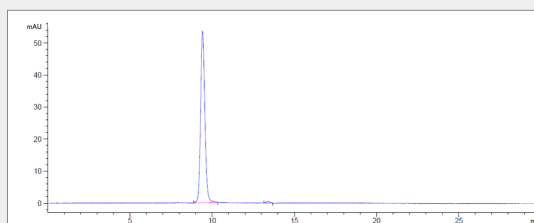
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-c-RET Reference Antibody (Regeneron patent anti-RET) - Images**





Anti-c-RET Reference Antibody (Regeneron patent anti-RET) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-c-RET Reference Antibody (Regeneron patent anti-RET) is more than 95%, determined by SEC-HPLC.