

Product datasheet for AP20723PU-N

Product data:

Product Type: Primary Antibodies

RET Rabbit Polyclonal Antibody

Applications: WE

Recommended Dilution: Western blot: 1/500 - 1/1000.

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Specificity: This antibody detects endogenous levels of Ret protein.

(region surrounding Trp1056)

Formulation: Phosphate buffered saline (PBS), pH 7.2

State: Aff - Purified

State: Liquid purified lg fraction Preservative: 0.05% sodium azide

Concentration: 1.0 mg/ml

Purification: Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)

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.

Predicted Protein Size: ~ 175 kDa

Gene Name: ret proto-oncogene

Database Link: Entrez Gene 19713 MouseEntrez Gene 24716 RatEntrez Gene 5979 Human

P07949



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RET Rabbit Polyclonal Antibody - AP20723PU-N

Background:

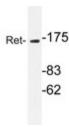
The Ret proto-oncogene is structurally related to the growing family of tyrosine kinase transmembrane receptors and is involved in GDNF signaling. By alternative splicing, two isoforms of the Ret proto-oncogene product are generated. The isoforms differ from each other by having either 9 or 51 carboxy terminal amino acids. The Ret gene products include two glycosylated proteins in tunicamycin treated cells, a non-glycosylated protein consistent with the predicted Ret molecular weight based on sequence analysis. Tumorspecific rearrangements of the Ret proto-oncogene have been identified in papillary thyroid carcinomas leading to the formation of different transforming fusion proteins sharing the tyrosine kinase domain of Ret. In contrast to the Ret proto-oncogene, the rearranged forms are constitutively phosphorylated on tyrosine and are translocated from the membrane to the cytoplasm.

Synonyms: C-ret, CDHF12

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Endocytosis, Pathways in cancer, Thyroid cancer

Product images:



Western blot analyzes of Ret antibody (Cat.-No.: AP20723PU-N) in extracts from K562 cells.