

## Ret polyclonal antibody

Catalog: BS91166

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The Ret proto-oncogene (c-Ret) is a receptor tyrosine kinase that functions as a multicomponent receptor complex in conjunction with other membrane-bound, ligand-binding GDNF family receptors. Ligands that bind the Ret receptor include the glial cell line-derived neurotrophic factor (GDNF) and its congeners neurturin, persephin, and artemin. Research studies have shown that alterations in the corresponding RET gene are associated with diseases including papillary thyroid carcinoma, multiple endocrine neoplasia (type 2A and 2B), familial medullary thyroid carcinoma, and a congenital developmental disorder known as Hirschsprung's disease. The Tyr905 residue located in the Ret kinase domain plays a crucial role in Ret catalytic and biological activity. Substitution of Phe for Tyr at position 905 dramatically inhibits Ret autophosphorylation activity.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

150/175 kDa

### Swiss-Prot:

P07949(Human) P35546(Mouse) G3V9H8(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

ICC:1:100-1:500

IHC:1:50-1:200

FC:1:50-1:100

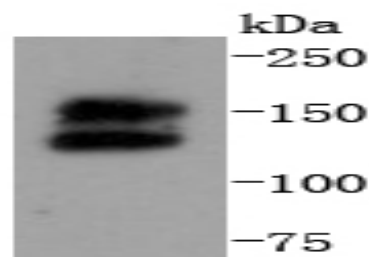
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

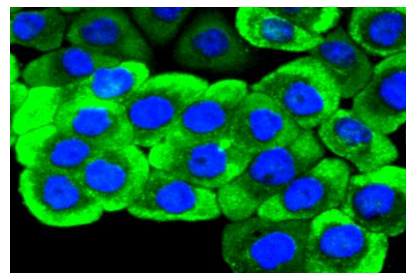
### Specificity:

Ret polyclonal antibody detects endogenous levels of Ret protein.

### DATA:



Western blot analysis of Ret on MCF-7 cells lysates using anti-Ret antibody at 1/1,000 dilution.



ICC staining Ret in AGS cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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