

Rabbit Anti-phospho-PTPRA (Ser180)/AF350 Conjugated antibody

SL5175R-AF350

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| Product Name | Anti-phospho-PTPRA (Ser180)/AF350 |
| Chinese Name | AF350 标记的磷酸化酪氨酸磷酸酶 α 抗体 |
| Alias | PTPRA (Sphospho-er180); PTPRA (phospho-S180); p-PTPRA (Ser180); p-PTPRA (S180); HEPTP; HLPR; HPTP alpha; HPTPA; HPTPalpha; Leukocyte common antigen related peptide; LRP; Protein tyrosine phosphatase alpha; Protein tyrosine phosphatase receptor type A; Protein tyrosine phosphatase receptor type alpha polypeptide; Protein tyrosine phosphate; Protein-tyrosine phosphatase alpha; PTPA; PTPalpha; PTPase alpha; PTPLCA related phosphatase; PTPRA; PTPRA_HUMAN; PTPRL 2; PTPRL2; PTRAL; R PTP alpha; R-PTP-alpha; Receptor type tyrosine protein phosphatase alpha; Receptor-type tyrosine-protein phosphatase alpha; RPTPA; Tyrosine phosphatase alpha. |
| Product Type | Phosphorylated anti |
| Research Area | immunology Signal transduction |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | (predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow) IF=1:100-500 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight | 89kDa |
| Form | Lyophilized or Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated Synthesised phosphopeptide derived from human PTPRA around the phosphorylation site of Ser180 |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Storage Buffer | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The |

lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

Vital cellular functions such as cell proliferation and signal transduction are regulated in part by the balance between the activities of protein tyrosine kinases (PTK) and protein tyrosine phosphatases (PTPs). The protein contains a 121 residue extracellular domain, a single transmembrane segment, and 2 tandem intracytoplasmic catalytic domains. The PTP alpha protein is ubiquitously expressed and may play a fundamental role in the physiology of all cells.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Similarity:

Belongs to the protein-tyrosine phosphatase family. Receptor class 4 subfamily.

Contains 2 tyrosine-protein phosphatase domains.

Database links:

Product Detail

[Entrez Gene: 5786](#) Human

[Entrez Gene: 19262](#) Mouse

[Entrez Gene: 25167](#) Rat

[Omim: 176884](#) Human

[SwissProt: P18433](#) Human

[SwissProt: P18052](#) Mouse

[SwissProt: Q03348](#) Rat

[Unigene: 269577](#) Human

[Unigene: 224246](#) Mouse

[Unigene: 18043](#) Rat



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Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.