

## PTPN12 RABBIT PAB

**Cat.#:** S214603

**Product Name:** Anti-PTPN12 Rabbit Polyclonal Antibody

**Synonyms:** PTPGI; PTP-PEST

**UNIPROT ID:** Q05209 (Gene Accession - NP\_001124480 )

**Background:** The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis.

**Immunogen:** Synthetic peptide of human PTPN12

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-300;WB: 200-1000;ELISA: 1000-2000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

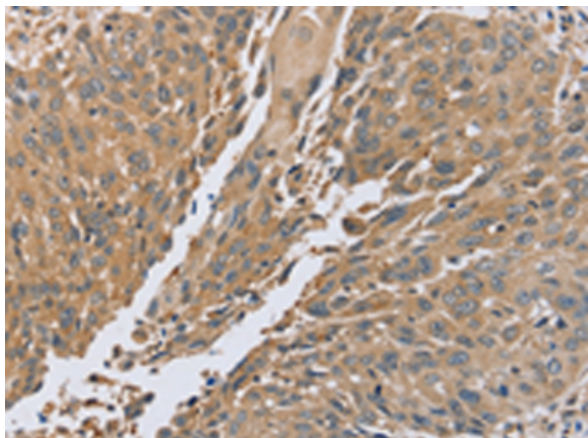
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

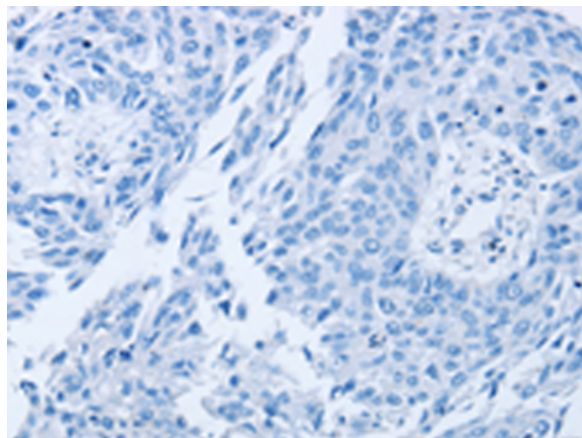
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

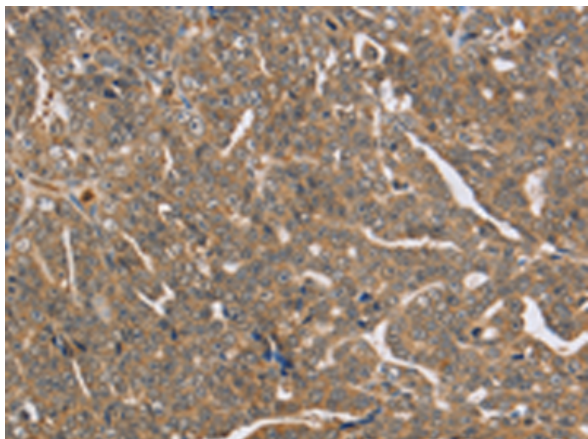
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



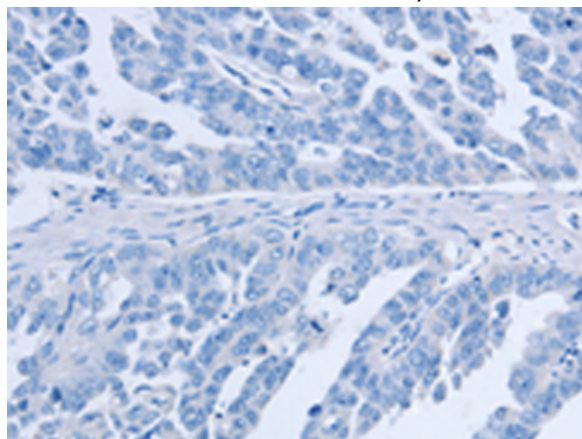
Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 214603(PTPN12 Antibody) at a dilution of 1/45(Cytoplasm).



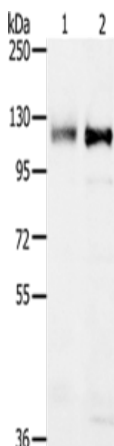
In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the synthetic peptide and then with 214603(Anti-PTPN12 Antibody) at dilution 1/45.



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 214603(Anti-PTPN12 Antibody) at a dilution of 1/45.



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D162089(Anti-PTPN12 Antibody) at dilution 1/45.



Gel: 6%SDS-PAGE, Lysate: 40 µg;  
Lane 1-2: 231 cells, K562 cells;  
Primary antibody: 214603(PTPN12 Antibody) at dilution 1/200;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 10 minutes



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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