

## PPP1R12A RABBIT PAB

**Cat.#:** S217626

**Product Name:** Anti-PPP1R12A Rabbit Polyclonal Antibody

**Synonyms:** MBS; M130; MYPT1

**UNIPROT ID:** O14974 (Gene Accession - BC111752 )

**Background:** Myosin phosphatase target subunit 1, which is also called the myosin-binding subunit of myosin phosphatase, is one of the subunits of myosin phosphatase. Myosin phosphatase regulates the interaction of actin and myosin downstream of the guanosine triphosphatase Rho. The small guanosine triphosphatase Rho is implicated in myosin light chain (MLC) phosphorylation, which results in contraction of smooth muscle and interaction of actin and myosin in nonmuscle cells. The guanosine triphosphate (GTP)-bound, active form of RhoA (GTP.RhoA) specifically interacted with the myosin-binding subunit (MBS) of myosin phosphatase, which regulates the extent of phosphorylation of MLC.

**Immunogen:** Fusion protein of human PPP1R12A

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 1000-5000;ELISA: 2000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

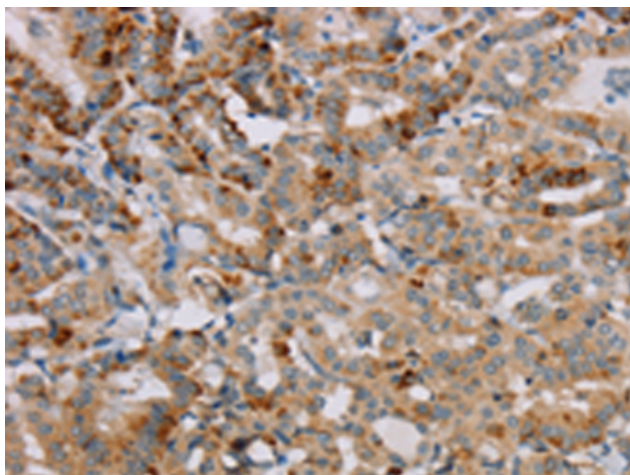
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

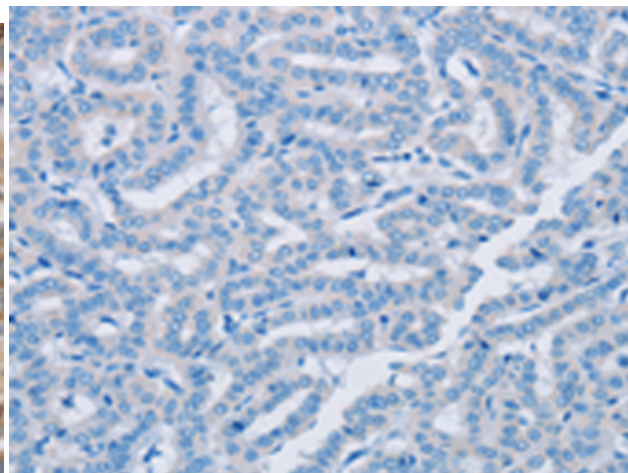
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

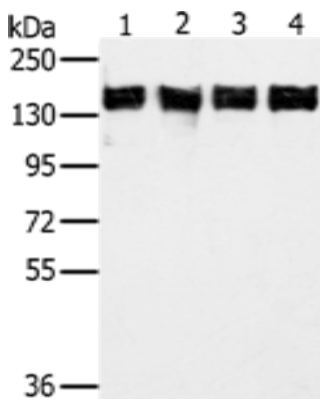
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 217626(PPP1R12A Antibody) at a dilution of 1/25(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 217626(Anti-PPP1R12A Antibody) at dilution 1/25.



Gel: 6%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-4: NIH/3T3 cells, A172 cells, hela cells, PC3 cells;  
 Primary antibody: 217626(PPP1R12A Antibody) at dilution 1/350;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 40 seconds