

PPP1R14D Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51444**Specification**

PPP1R14D Antibody - Product Information

Application	WB
Primary Accession	Q9NXH3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17 KDa
Antigen Region	41 - 100

PPP1R14D Antibody - Additional Information**Gene ID** 54866**Other Names**

Protein phosphatase 1 regulatory subunit 14D, Gastrointestinal and brain-specific PP1-inhibitory protein 1, GBPI-1, PPP1R14D, GBPI

Target/Specificity

KLH conjugated synthetic peptide derived from human PPP1R14D

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PPP1R14D Antibody - Protein Information**Name** PPP1R14D**Synonyms** GBPI**Function**

Inhibitor of PPP1CA. Has inhibitory activity only when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction.

Cellular Location

Cytoplasm.

Tissue Location

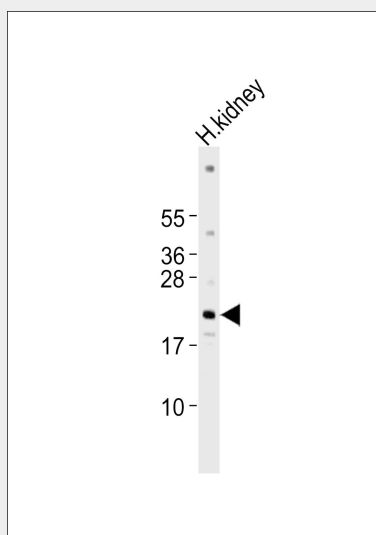
Detected in colon, intestine, kidney and brain cortex.

PPP1R14D Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPP1R14D Antibody - Images



Anti-PPP1R14D Antibody at 1:1000 dilution + human kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PPP1R14D Antibody - Background

Inhibitor of PPP1CA. Has inhibitory activity only when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction.

PPP1R14D Antibody - References

Liu Q.-R., et al. Biochem. J. 377:171-181(2004).
Ota T., et al. Nat. Genet. 36:40-45(2004).