

# PPP1R14D Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51444

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9NXH3</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	16508

## Additional Information

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<b>Gene ID</b>	54866
<b>Other Names</b>	Protein phosphatase 1 regulatory subunit 14D, Gastrointestinal and brain-specific PP1-inhibitory protein 1, GBPI-1, PPP1R14D, GBPI
<b>Target/Specificity</b>	KLH conjugated synthetic peptide derived from human PPP1R14D
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	PPP1R14D
<b>Synonyms</b>	GBPI
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Detected in colon, intestine, kidney and brain cortex.

## Background

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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.

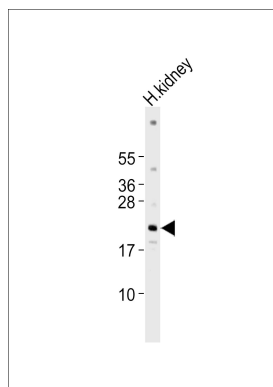
## References

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

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.