

**Renalase Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58718****Specification**

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**Renalase Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q5VYX0</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37847

**Renalase Polyclonal Antibody - Additional Information****Gene ID** 55328**Other Names**

Renalase, 1.6.3.5, Monoamine oxidase-C, MAO-C, RNLS, C10orf59

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Renalase Polyclonal Antibody - Protein Information****Name** RNLS**Synonyms** C10orf59**Function**

Catalyzes the oxidation of the less abundant 1,2-dihydro- beta-NAD(P) and 1,6-dihydro-beta-NAD(P) to form beta-NAD(P)(+). The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis.

**Cellular Location**

Secreted.

**Tissue Location**

Secreted into the blood by the kidney. Highly expressed in the kidney, expressed at lower level in heart, skeletal muscle and small intestine. Its plasma concentration is markedly reduced in

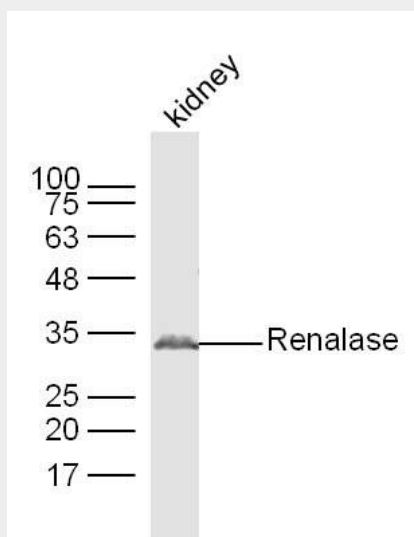
patients with end-stage renal disease, as compared with healthy subjects.

### Renalase Polyclonal Antibody - Protocols

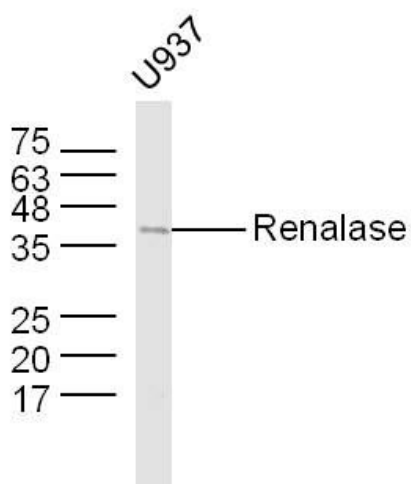
Provided below are standard protocols that you may find useful for product applications.

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

### Renalase Polyclonal Antibody - Images



Sample: Kidney (Mouse) Lysate at 40 ug  
Primary: Anti-Renalase (bs-7693R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 36 kD  
Observed band size: 35 kD



Sample: U937 Cell (Human) Lysate at 40 ug  
Primary: Anti-Renalase (bs-7693R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 36 kD  
Observed band size: 36 kD