


## Product datasheet

# Anti-Renalase antibody ab31291

6 References [画像数 3](#)

### 製品の概要

製品名	Anti-Renalase antibody
製品の詳細	Goat polyclonal to Renalase
由来種	Goat
特異性	ab31291 recognises renalase.
アプリケーション	<b>適用あり:</b> ELISA, WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Rat, Cow, Dog 
免疫原	Synthetic peptide: C-VSIDNKKRNI , corresponding to Internal sequence amino acids 224-234 of Human Renalase <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	Human or mouse kidney lysate

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris saline, pH 7.3
精製度	Immunogen affinity purified
特記事項(精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリモノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab31291** in the following tested applications.

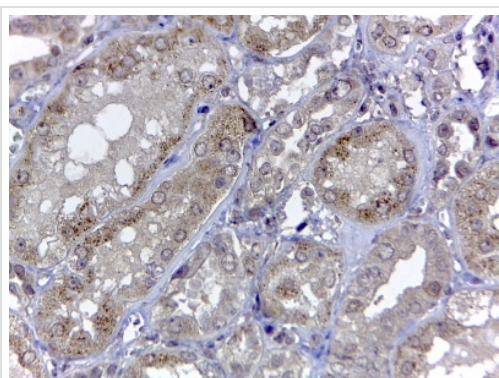
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		1/32000.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
IHC-P		Use a concentration of 2 - 4 µg/ml. In paraffin embedded Human Kidney shows vesicular staining in the epithelial cells of the CT.

## ターゲット情報

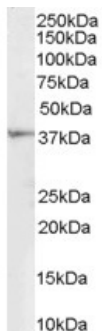
機能	Probable FAD-dependent amine oxidase secreted by the kidney, which circulates in blood and modulates cardiac function and systemic blood pressure. Degrades catecholamines such as dopamine, norepinephrine and epinephrine in vitro. Lowers blood pressure in vivo by decreasing cardiac contractility and 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 (By similarity). According to PubMed:17385068, is unlikely that renalase has physiologically relevant catecholamine-oxidizing activity.
組織特異性	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.
配列類似性	Belongs to the renalase family.
細胞内局在	Secreted.

## 画像



In paraffin embedded Human Kidney using ab31291 it shows vesicular staining in the epithelial cells of the CT

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Renalase antibody (ab31291)



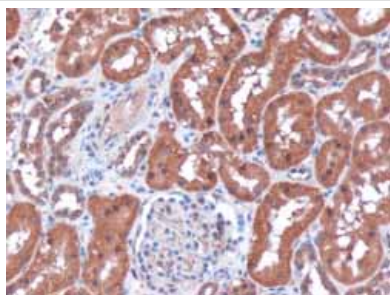
Western blot - Renalase antibody (ab31291)

Anti-Renalase antibody (ab31291) at 1 µg/ml  
(1 hour incubation) + Human Kidney lysate  
(35µg protein in RIPA buffer)

Developed using the ECL technique.

**Predicted band size:** 38 kDa

**Observed band size:** 38 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Renalase antibody (ab31291)

ab31291 (3µg/ml) staining Human Kidney by  
IHC-P. Microwaved antigen retrieval with  
citrate buffer (pH 6), HRP-staining.

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