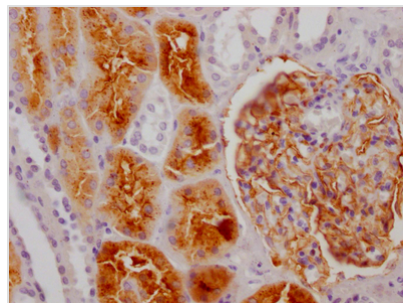




# ENPEP Antibody

<b>Product Code</b>	CSB-RA552900A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q07075
<b>Immunogen</b>	A synthesized peptide derived from human Aminopeptidase A / CD249
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Relevance</b>	Appears to have a role in the catabolic pathway of the renin-angiotensin system. Probably plays a role in regulating growth and differentiation of early B-lineage cells.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology; Stem cells
<b>Gene Names</b>	ENPEP
<b>Accession NO.</b>	2G11

## Image



IHC image of CSB-RA552900A0HU diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Description

ENPEP, also called Aminopeptidase A (APA), is a homodimeric membrane-spanning zinc-metallopeptidase that preferentially cleaves N-terminal acidic amino acids from peptide substrates such as angiotensin (Ang) II and cholecystokinin-8 (CCK8) in vivo. APA is implicated in the regulation of blood pressure in the brain renin-angiotensin system. It contributes to the conversion



of brain Ang II to Ang III and Ang III then mediates the increase in blood pressure. These results indicate that brain APA is a potential therapeutic target for the treatment of hypertension.

The recombinant ENPEP antibody was generated in vitro through inserting cloned ENPEP genes into expression vectors. The expression vector was then inserted into a mammalian cell to express this ENPEP antibody. It has been validated in ELISA, IHC. Every step in the production was controlled strictly. You have no worries about the quality.