



## Rabbit Anti-PAMP antibody

SL0995R

<b>Product Name:</b>	PAMP
<b>Chinese Name:</b>	肾上腺髓质素抗体(N端20肽)
<b>Alias:</b>	ProAM N-terminal 20 peptide; Adrenomedullin; ADM; AM; Contains; RecName; Proadrenomedullin N-20 terminal peptide; ProAM-N20; PAMP; ProAM-N20; ADML_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	20kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ADM:1-100/185
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Adrenomedullin (ADM), a vasodilator produced by most contractile cells, is characterized by persistent hypotensive activity. ADM is involved in the regulation of fluid and electrolyte homeostasis and in the maintenance of cardiovascular functioning. In hypertensive patients, the level of ADM in plasma is up-regulated. Natriuresis is a common systemic manifestation of aneurysmal subarachnoid hemorrhage. ADM has

strong natriuretic actions. ADM-induced natriuresis is caused by an increase in glomerular filtration rate and a decrease in distal tubular sodium reabsorption. ADM is present both in the periphery and brain, and can exert central effects such as decreasing food ingestion.

**Function:**

AM and PAMP are potent hypotensive and vasodilator agents. Numerous actions have been reported most related to the physiologic control of fluid and electrolyte homeostasis. In the kidney, am is diuretic and natriuretic, and both am and pamp inhibit aldosterone secretion by direct adrenal actions. In pituitary gland, both peptides at physiologically relevant doses inhibit basal ACTH secretion. Both peptides appear to act in brain and pituitary gland to facilitate the loss of plasma volume, actions which complement their hypotensive effects in blood vessels.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Highest levels found in pheochromocytoma and adrenal medulla. Also found in lung, ventricle and kidney tissues.

**Similarity:**

Belongs to the adrenomedullin family.

**SWISS:**

P35318

**Gene ID:**

133

**Database links:**

[Entrez Gene: 133](#) Human

[NCBI: NP\\_001115](#) Human

[Omim: 103275](#) Human

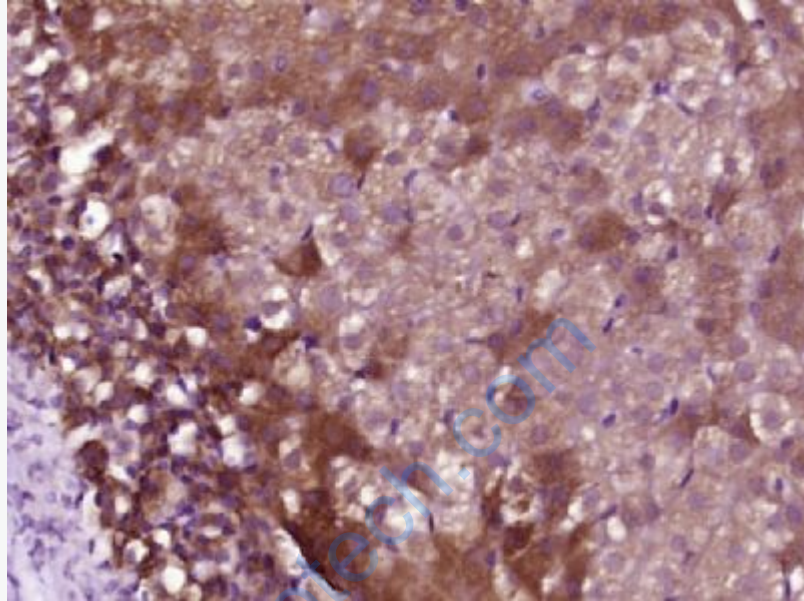
[SwissProt: P35318](#) Human

[Unigene: 441047](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

肾上腺髓质素 (Adrenomedullin, AM) 是广泛分布在肾上腺髓质、肺、心、肝、肾等器官。



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAMP) Polyclonal Antibody, Unconjugated (SL0995R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.