10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ADM Polyclonal Antibody

Catalog # AP73385

Product Information

Application	WB, IHC-P
Primary Accession	P35318
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20420

Additional Information

Gene ID	133
Other Names	ADM; AM; ADM
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

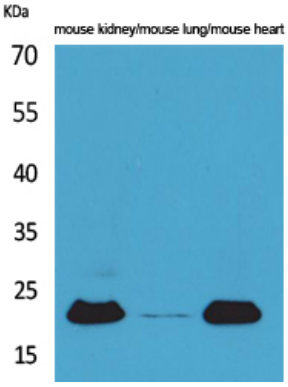
Protein Information

Name	ADM (HGNC:259)
Synonyms	AM
Function	Adrenomedullin/ADM and proadrenomedullin N-20 terminal peptide/PAMP are peptide hormones that act as potent hypotensive and vasodilatator agents (PubMed:8387282, PubMed:9620797). Numerous actions have been reported most related to the physiologic control of fluid and electrolyte homeostasis. In the kidney, ADM is diuretic and natriuretic, and both ADM 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.
Cellular Location	Secreted.
Tissue Location	Highest levels found in pheochromocytoma and adrenal medulla. Also found in lung, ventricle and kidney tissues

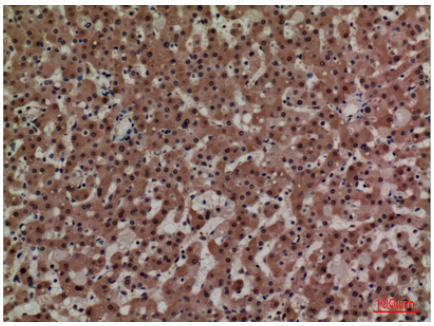
Background

AM and PAMP are potent hypotensive and vasodilatator 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.

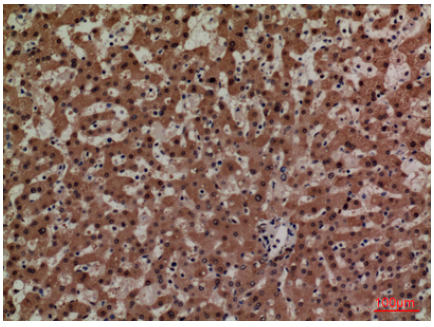
Images



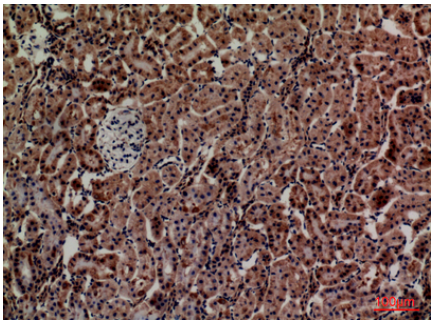
Western Blot analysis of mouse kidney, mouse lung, mouse heart cells using ADM Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

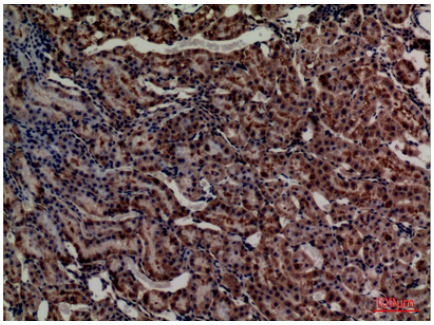


Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded rat-kidney, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded rat-kidney, antibody was diluted at 1:100



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