

ADM Polyclonal Antibody

Catalog No :	YT5202
Reactivity :	Human;Rat
Applications :	WB;IHC;IF;ELISA
Target :	ADM
Fields :	>>Neuroactive ligand-receptor interaction;>>Vascular smooth muscle contraction
Gene Name :	ADM
Protein Name :	ADM
Human Gene Id :	133
Human Swiss Prot No :	P35318
Mouse Swiss Prot No :	P97297
Rat Gene Id :	25026
Rat Swiss Prot No :	P43145
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human ADM. AA range:101-150
Specificity :	ADM Polyclonal Antibody detects endogenous levels of ADM protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 20kD

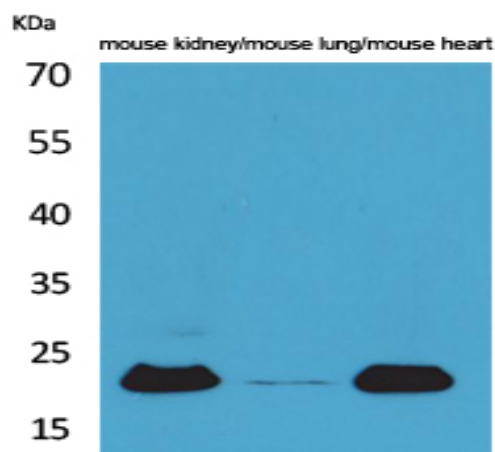
Background : The protein encoded by this gene is a preprohormone which is cleaved to form two biologically active peptides, adrenomedullin and proadrenomedullin N-terminal 20 peptide. Adrenomedullin is a 52 aa peptide with several functions, including vasodilation, regulation of hormone secretion, promotion of angiogenesis, and antimicrobial activity. The antimicrobial activity is antibacterial, as the peptide has been shown to kill *E. coli* and *S. aureus* at low concentration. [provided by RefSeq, Aug 2014],

Function : 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.,similarity:Belongs to the adrenomedullin family.,tissue specificity:Highest levels found in pheochromocytoma and adrenal medulla. Also found in lung, ventricle and kidney tissues.,

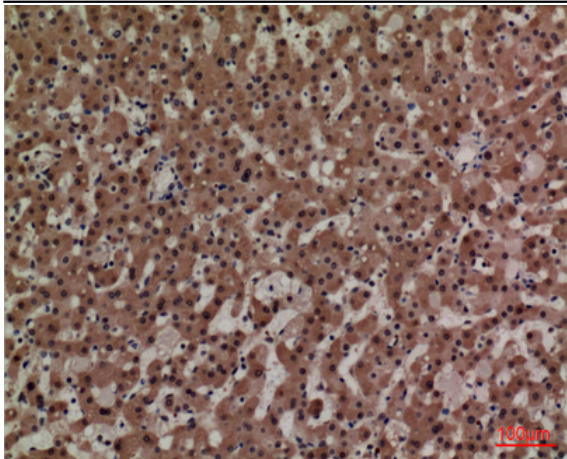
Subcellular Location : Secreted.

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

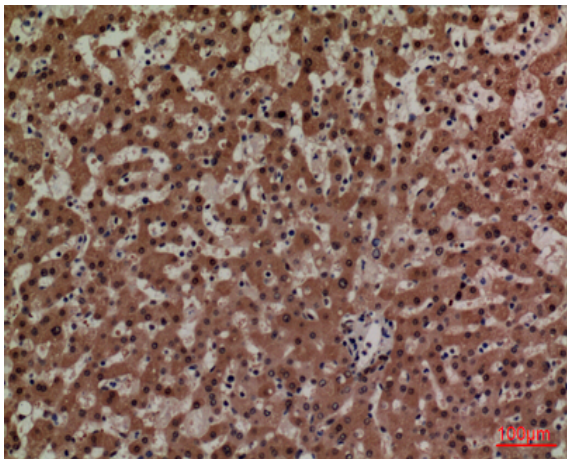
Products Images



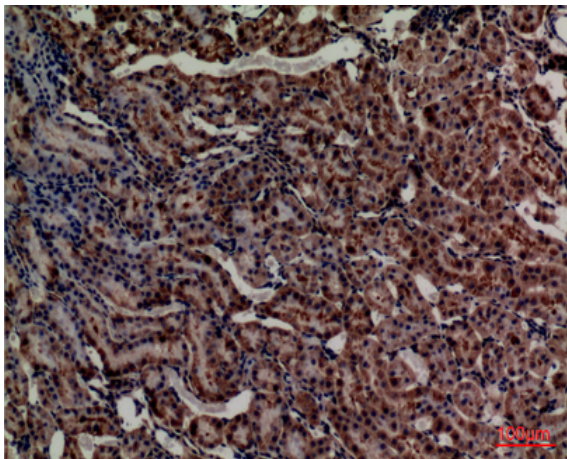
Western Blot analysis of mouse kidney, mouse lung, mouse heart cells using ADM Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



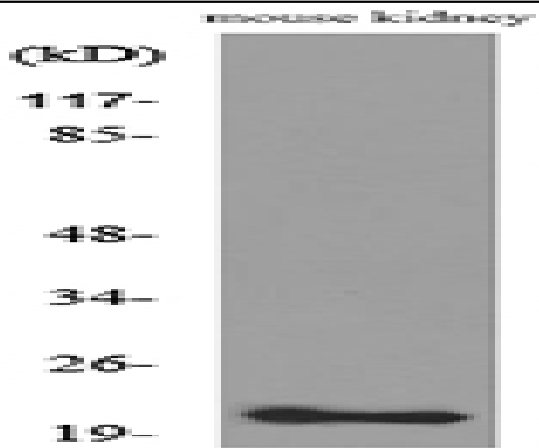
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



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



Western blot analysis of lysate from mouse kidney cells, using ADM Antibody.