

ARG24097
anti-ADM / Adrenomedullin antibodyPackage: 100 µl
Store at: -20°C

Summary

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| Product Description | Rabbit Polyclonal antibody recognizes ADM / Adrenomedullin |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ADM / Adrenomedullin |
| Species | Human |
| Immunogen | Synthetic peptide within a.a. 115-170 of Human ADM/Adrenomedullin. |
| Conjugation | Un-conjugated |
| Alternate Names | ProAM N-terminal 20 peptide; ADM; AM; ProAM-N20; PAMP |

Application Instructions

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| Application table | Application | Dilution |
| | WB | 1:500 - 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 20-25 kDa | |

Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS, 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | Batch dependent |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | ADM |
| Gene Full Name | adrenomedullin |
| Background | The protein encoded by this gene is a prohormone which is cleaved to form two biologically active peptides, adrenomedullin and adrenomedullin 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 <i>E. coli</i> and <i>S. aureus</i> at low concentration. [provided by RefSeq, Aug 2014] |
| 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. [UniProt] |
| Calculated Mw | 20 kDa |
| PTM | Amidation; Cleavage on pair of basic residues; Disulfide bond [UniProt] |
| Cellular Localization | Secreted [UniProt] |