Datasheet for ABIN487624

# anti-Creatinine antibody

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## Overview

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|---|---|
| Quantity: | 1 mg |
| Target: | Creatinine (CR) |
| Reactivity: | Chemical |
| Host: | Sheep |
| Clonality: | Polyclonal |
| Conjugate: | This Creatinine antibody is un-conjugated |
| Application: | Enzyme Immunoassay (EIA) |

## Product Details

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|---|---|
| Immunogen: | Creatinine (N)-BSA |
| Isotype: | IgG |
| Purification: | Ig Fraction |

## Target Details

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|---|---|
| Target: | Creatinine (CR) |
| Alternative Name: | Creatinine (CR Products) |
| Target Type: | Amino Acid |
| Background: | Creatinine is present in all body secretions and is a by-product of muscle metabolism, formed by the spontaneous and irreversible conversion of creatine and creatine phosphate. The formation of creatinine is proportional to total muscle mass and body weight. The production rate shows minimal daily variations, unless the muscle mass changes, with 2?% of whole body |

## Target Details

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|---|---|
| | creatinine being transformed every 24 hours. Since creatinine is excreted at a relatively constant rate by the kidneys, measurement of urinary creatinine can indicate if the urinary concentration has been adjusted by in vivo or in vitro dilution. The level of creatinine in the blood increases as kidney disease progresses.Synonyms: 2-amino-1-methyl-5H-imidazol-4-one |

## Application Details

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|---|---|
| Application Notes: | ELISA: 2 µg/mL.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 6.47 mg/mL (U.V. abs at 280nm) |
| Buffer: | 20 mM Phosphate, 150 mM Sodium Chloride, pH 7.2, 0.09 % Sodium Azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | -20 °C |