

## Rabbit Anti-Carbamylated-Lysine Polyclonal Antibody

**Catalog#** AB-09021R

**Storage:** -20°C

**Shelf Life:** 1 year from date of receipt under proper storage conditions; aliquot to avoid multiple freeze thaw cycle

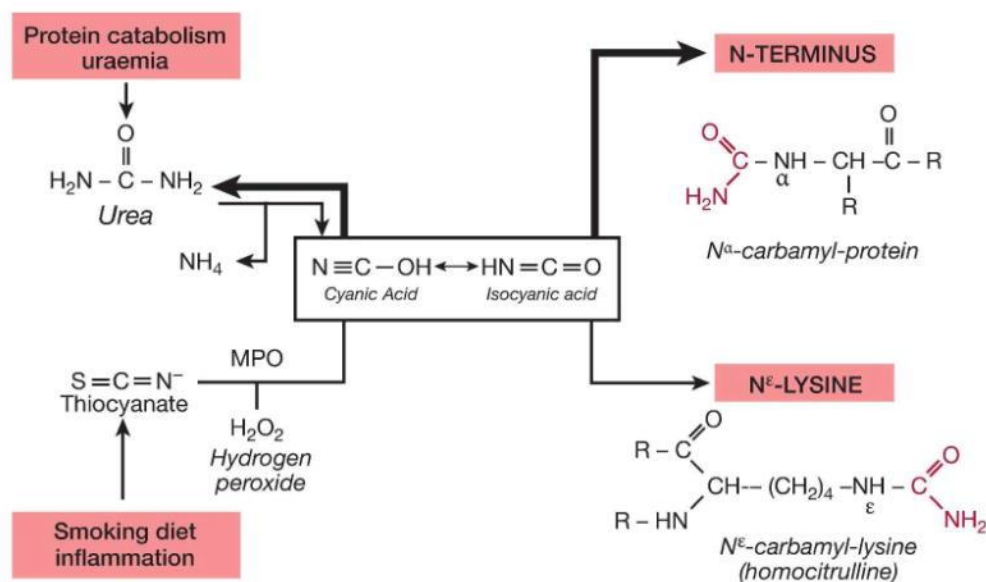
**Host:** Rabbit

**Immunogen:** Carbamylated BSA

**Specificity:** Carbamylated proteins

**Application:** WB and ELISA, 1:200 to 1:20,000

**Background:**



Protein carbamylation refers to the posttranslational modification of proteins or amino acids via adduction with isocyanic acid, such as on either the N-terminus of proteins or free amino acids ( $\text{N}^\alpha$ -carbamylation) or the  $\text{N}^\epsilon$ -amino group of protein lysine residues forming carbamyllysine (homocitrulline). Isocyanic acid is formed through either spontaneous decomposition of urea, or myeloperoxidase (MPO) catalyzed oxidation of thiocyanate at sites of inflammation, including atherosclerotic plaques.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4556561/>

