Rabbit Anti-Carbamyl-Lysine (CBL) Polyclonal Antibody

CATALOG NUMBER: STA-078

STORAGE: -20°C

QUANTITY AND CONCENTRATION: 50 µg of affinity purified antibody at 0.5 mg/mL in 75 mM PBS, pH 7.2, 75 mM NaCl, 0.5 mM EDTA and 0.02% NaN₃

SHELF LIFE: 1 year from date of receipt under proper storage conditions; aliquot to avoid multiple freeze thaw cycles

HOST SPECIES: Rabbit

IMMUNOGEN: CBL-KLH

SPECIFICITY: CBL-modified proteins

APPLICATION: Immunoblot (1:200 to 1:20,000) ELISA (1:200 to 1:20,000)

Background
Carbamylation is a post-translational modification which occurs throughout the lifespan of proteins in vivo. Carbamylation results from the binding of isocyanic acid, spontaneously derived from high concentrations of urea and leading to the formation of carbamyl-lysine (CBL). The carbamylation of proteins is usually associated with a partial or complete loss of protein function. It is known that elevated urea directly induces the formation of potentially atherogenic carbamylated LDL (cLDL). High blood concentrations of urea leading to the carbamylation process were detected in uremic patients and patients with end-stage renal disease.

Recent Product Citations

**Warranty**
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*This product is for RESEARCH USE ONLY; not for use in diagnostic procedures.*

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