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**Anti-Conjugated N-Acetyl-Cysteine
RAT POLYCLONAL**

Catalog Number: AB-T148
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic N-Acetyl-Cysteine conjugated to bovine serum albumin

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated N-Acetyl-Cysteine. **This antibody does not recognize free N-Acetyl-Cysteine.**

Using a conjugate N-Acetyl-Cysteine-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND | CROSS REACTIVITY § |
|-----------------------|---------------------------|
| N-acetyl-cysteine-BSA | 1 |
| Cysteine-G-BSA | 1/>100,000 |
| Cysteine-GA-BSA | 1/>100,000 |

G = Glutaraldehyde, GA = Glutaric Anhydride, BSA = Bovine Serum Albumin

§ N-acetyl-cysteine-BSA concentration/unconjugated close-related compounds concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/2,000-1/5,000) and immunohistochemistry / immunocytochemistry (frozen sections; 1/500-1/1,000). Not recommended for use with formaldehyde because of the glutaraldehyde component. Store the antibody at 4°C for one month or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

Available Control(s): N-Acetyl-Cysteine-BSA

To view protocol(s) for this and other products please visit: www.ATSBio.com/protocols