ADVANCED TARGETING SYSTEMS

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Anti-Conjugated Acrolein
RABBIT POLYCLONAL

Catalog Number: AB-T091
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic acrolein conjugated to bovine serum albumin

Specificity and Preparation:
Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated acrolein. **This antibody does not recognize free acrolein.**
Using a conjugate Acrolein-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Acrolein-BSA	1
Malondialdehyde-BSA	1/55
Glyoxal-BSA	1/>50,000
Formaldehyde-BSA	1/>50,000
Glutaraldehyde-BSA	1/>50,000

BSA = Bovine Serum Albumin
§ Acrolein-BSA concentration/unconjugated or conjugated analogs concentration at half displacement.

Usage and Storage:
Tested applications immunohistochemistry and immunoblotting. Optimal dilutions should be determined by each laboratory for each application. Protocols for other potential applications can be found on the website: http://atsbio.com/support/protocols. The use of paraformaldehyde in conjunction with glutaraldehyde may improve staining results.
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): Acrolein-BSA

References:
1. Shen J, Yang X, Dong A, Petters RM, Peng YW, Wong F, Campochiaro PA (2005) Oxidative damage is a potential cause of cone cell death in retinitis pigmentosa. J Cell Physiol. 203(3):457-464.

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