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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.

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:

Applications include ELISA (1/2,000-1/5,000) and immunohistochemistry / immunocytochemistry (frozen sections; 1/500-1/1,000). 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): Corresponding antigen.

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 example protocol(s) for this product please visit: www.ATSBio.com/catalog/protocols