



10451 ROSELLE STREET, #300, SAN DIEGO, CA 92121  
TELEPHONE (858) 642-1988 • FAX (858) 642-1989  
WWW.ATSBIO.COM • ATS@ATSBIO.COM

**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:**

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):** 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/protocols](http://www.ATSBio.com/protocols)**