



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

**Anti-Conjugated 1,3 Butadiene
RABBIT POLYCLONAL**

Catalog Number: AB-T102
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Immunogen: Synthetic 1,3 Butadiene conjugated to bovine serum albumin or other protein

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated 1,3 Butadiene. **This antibody does not recognize free 1,3 Butadiene.**

Using a conjugate 1,3 Butadiene-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND | CROSS REACTIVITY § |
|---------------------|---------------------------|
| Butadiene-BSA | 1 |
| Acrolein-BSA | 1/20,000 |
| Formaldehyde-BSA | 1/>50,000 |
| Malondialdehyde-BSA | 1/>50,000 |
| Butanoic acid-BSA | 1/>50,000 |
| Propionic acid-BSA | 1/>50,000 |

BSA = Bovine Serum Albumin

§ 1,3-Butadiene-BSA concentration/conjugated close structure concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/5,000-1/10,000). 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): 1,3-Butadiene-BSA

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