

**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 carriers

Specificity & 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:

Usage: Applications include ELISA (1/5,000-1/10,000).

Storage: 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 5-10 seconds in a microfuge before use.

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.

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