



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

**Anti-Conjugated Glutathione
RAT POLYCLONAL**

Catalog Number: AB-T139
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic glutathione conjugated to bovine serum albumin

Specificity and Preparation:

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

This antibody targets conjugated glutathione. **This antibody does not recognize free glutathione.**

Using a conjugate Glutathione-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Glutathione-G-BSA	1
Cysteine-G-BSA	1/>10,000
Glutamate-G-BSA	1/>10,000
Glycine-G-BSA	1/>10,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ Glutathione-G-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 (1/500-1/1,000). Fixation of tissue for use with these antibodies should be done with glutaraldehyde. 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): Glutathione-G-BSA

References:

1. Amara A, Coussemacq M, Geffard M. (1994) Antibodies to reduced glutathione. Brain Res 659(1-2):237-42.

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