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**Anti-Conjugated D-Alanine
RABBIT POLYCLONAL**

Catalog Number: AB-T049
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic D-Alanine conjugated to bovine serum albumin

Specificity and Preparation:

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

This antibody targets conjugated D-Alanine. **This antibody does not recognize free D-Alanine.**

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

COMPOUND	CROSS REACTIVITY §
D-Alanine-G-BSA	1
L-Alanine-G-BSA	1/>50,000
Glycine-G-BSA	1/>50,000
D-Valine-G-BSA	1/>50,000
D-Leucine-G-BSA	1/>50,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ D-Alanine-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/5,000-1/15,000) and immunohistochemistry / immunocytochemistry (1/7,500). 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): D-Alanine-G-BSA

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