



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

**Anti-Conjugated D-Pantothenic Acid
RABBIT POLYCLONAL**

Catalog Number: AB-T143
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic D-Pantothenic Acid 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-Pantothenic Acid (vitamin B5). **This antibody does not recognize free D-Pantothenic Acid.**

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

COMPOUND	CROSS REACTIVITY §
D-Pantothenic Acid-BSA	1
D-Biotin-BSA	1/>50,000
Choine-GA-BSA	1/>50,000

GA = Glutaric Anhydride, BSA = Bovine Serum Albumin

§ D-Pantothenic acid-BSA concentration/conjugated close-related compounds 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): D-Pantothenic Acid-BSA

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