



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

**Anti-Conjugated L-Valine
RABBIT POLYCLONAL**

Catalog Number: AB-T042
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic L-Valine conjugated to bovine serum albumin

Specificity and Preparation:

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

This antibody targets conjugated L-Valine. **This antibody does not recognize free L-Valine.**

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

COMPOUND	CROSS REACTIVITY §
L-Valine-G-BSA	1
L-Isoleucine-G-BSA	1/250
L-Leucine-G-BSA	1/>5,000
D-Valine-G-BSA	1/>50,000
L-Alanine-G-BSA	1/>50,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ L-Valine-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/1,000-1/5,000), immunohistochemistry / immunocytochemistry (1/1,000-1/5,000), and immunoblotting (western blot 1/1,000-1/2,000). 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): L-Valine-G-BSA

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