



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

**Anti-Conjugated Valeric Acid  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T089  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic Valeric 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 Valeric Acid, valeryl protein or pentanoyl protein. **This antibody does not recognize free valeric acid.**

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

<b>COMPOUND</b>	<b>CROSS REACTIVITY §</b>
Valeric acid-BSA	1
Hexanoic acid-BSA	1/2
Butanoic acid-BSA	1/600
Propionic acid-BSA	1/>50,000
Pyruvic acid-BSA	1/>50,000
Lactic acid-BSA	1/>50,000

BSA = Bovine Serum Albumin

§ Valeric acid-BSA concentration/conjugated compound concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/2,000-1/5,000). 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):** Valeric Acid-BSA

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