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**Anti-Conjugated Beta-Alanine  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T033  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic Beta-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 Beta-alanine. **This antibody does not recognize free Beta-alanine.**

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

<b>COMPOUND</b>	<b>CROSS REACTIVITY §</b>
Beta-alanine-G-BSA	1
GABA-G-(Pc)	1/500
Beta-alanine	1/7,000
Glycine-G-(Pc)	1/>50,000
Aspartate-G-(Pc)	1/>100,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ Beta-alanine-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):** Beta-Alanine-G-BSA

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