



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

**Anti-Conjugated 5,7-Dihydroxytryptamine  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T106  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic 5,7-Dihydroxytryptamine conjugated to bovine serum albumin

**Specificity and Preparation:**

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

This antibody targets conjugated 5,7-Dihydroxytryptamine. **This antibody does not recognize free 5,7-dihydroxytryptamine.**

Using a conjugate 5,7-Dihydroxytryptamine-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

<b>COMPOUND</b>	<b>CROSS REACTIVITY §</b>
5,7-Dihydroxytryptamine-G-BSA	1
5,6-Dihydroxytryptamine-G-BSA	1/250
5-Hydroxytryptamine-G-BSA	1/>50,000
5-Hydroxytryptophan-G-BSA	1/>50,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ 5,7-Dihydroxytryptamine-G-BSA concentration/unconjugated or conjugated indolealkylamine concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (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):** 5,7-Dihydroxytryptamine-G-BSA

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