



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

**Anti-Conjugated 4,5-Dihydroxytryptamine  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T081  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol.  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** synthetic 4,5-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 phenyl acetic acid.

Using a conjugate 4,5-Dihydroxytryptamine-glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
4,5-Dihydroxytryptamine-G-BSA	1
5,6-Dihydroxytryptamine-G-(Pc)	1/20,000
5-hydroxytryptamine-G-(Pc)	1/50,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ 4,5-Dihydroxytryptamine-G-BSA concentration /other conjugated indolealkylamine concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/1,000-1/5,000), immunocytochemistry, immunohistochemistry, 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):** Corresponding antigen.

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