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**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 4,5-dihydroxytryptamine. **This antibody does not recognize free 4,5-dihydroxytryptamine.**

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): 4,5-Dihydroxytryptamine-G-BSA

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