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**Anti-Conjugated 5-Hydroxytryptophan
RABBIT POLYCLONAL**

Catalog Number: AB-T09
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol.
Host: Rabbit
Isotype: IgG
Immunogen: 5-Hydroxytryptophan-Glutaraldehyde-BSA

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated 5-Hydroxytryptophan.

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

| COMPOUND | CROSS REACTIVITY § |
|----------------------------|--------------------|
| 5-Hydroxytryptophan-G-BSA | 1 |
| 5-Methoxytryptophan-G-(Pc) | 1/2,000 |
| Tryptophan-G-(Pc) | 1/50,000 |
| 5-Hydroxytryptamine-G-(Pc) | 1/50,000 |
| Tryptamine-G-(Pc) | 1/>50,000 |
| 5-Hydroxytryptophan | 1/>50,000 |

G = Glutaraldehyde, BSA = bovine serum albumin

§ 5-Hydroxytryptophan-G-BSA concentration/unconjugated or conjugated indolealkylamine concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/1,000-1/5,000)¹, immunocytochemistry, immunohistochemistry (1/1,000-1/5,000), 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.

References:

1. Geffard M, Touret M, Kitahama, K. (1987) First characterization of 5-hydroxytryptophan in rat brain by using specific antibodies. *Brain Res* 426:191-196.
2. Touret M, Kitahama K, Geffard M, Jouvet, M. (1987) 5-hydroxytryptophan (5-HTP)-immunoreactive neurons in the rat brain tissue. *Neurosci Lett* 80:263-267.
3. Touret M, Sarda N, Gharib A, Geffard M, Jouvet M. (1991) The role of 5-hydroxytryptophan (5-HTP) in the regulation of the sleep/wake cycle in parachlorophenylalanine (p-CPA) pretreated rat: a multiple approach study. *Exp Brain Res* 86:117-124.

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