

**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 & Preparation:** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated 5-Hydroxytryptophan. **This antibody does not recognize free 5-Hydroxytryptophan.**

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

**Usage:** Applications include ELISA (1/1,000-1/5,000)<sup>1</sup>, 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.

**Storage:** 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 5-10 seconds in a microfuge before use.

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.



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**Selected 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.

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