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**Anti-Conjugated 5-Methoxytryptamine  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T078  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic 5-Methoxytryptamine 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-Methoxytryptamine. **This antibody does not recognize free 5-Methoxytryptamine.**

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

COMPOUND	CROSS REACTIVITY §
5-Methoxytryptamine-G-BSA	1
5-Methoxytryptamine	1/20
5-Hydroxytryptamine-G-(Pc)	1/30
Tryptamine-G-(Pc)	1/30
5-Methoxytryptophan-G-(Pc)	1/40
Tryptophan	1/500
5-Hydroxytryptophan-G-(Pc)	1/1,900

G = Glutaraldehyde, BSA = bovine serum albumin

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

**Usage and Storage:**

Applications include ELISA (1/1,000-1/5,000), 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):** 5-Methoxytryptamine-G-BSA

**References:**

1. Geffard M, Dulluc J, Heinrich-Rock AM (1985) Antisera against the indolealkylamines: tryptophan, 5-hydroxytryptophan, 5-hydroxytryptamine, 5-methoxytryptophan and 5-methoxytryptamine tested by an enzyme-linked immunosorbent assay method. *J Neurochem* 44:1221-1228.
2. Patel S, Dulluc J, Geffard M (1986) Comparison of serotonin and 5-methoxytryptamine immunoreactivity in rat raphe nuclei. *Histochem* 85:259-263.

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