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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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