



Anti-Conjugated Tryptamine RABBIT POLYCLONAL

Catalog Number: AB-T04
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic tryptamine conjugated to bovine serum albumin

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

This antibody targets conjugated tryptamine. **This antibody does not recognize free tryptamine.**

Using a conjugate Tryptamine-Glutaraldehyde-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), immunocytochemistry, immunohistochemistry (1/1,000-1/5,000), 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.

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 §
Tryptamine-G-BSA	1
5 Hydroxytryptamine-G-(Pc)	1/50
5 Methoxytryptamine-G-(Pc)	1/60
Tryptamine	1/2,000
Tryptophan-G-(Pc)	1/3,000
5 Methoxytryptophan-G-(Pc)	1/6,000
5 Hydroxytryptophan-G-(Pc)	1/50,000

G = Glutaraldehyde, BSA = bovine serum albumin

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



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Selected References:

1. Geffard M, Tuffet S, Peuble L, Patel S. (1988) Production of antisera to serotonin and their metabolites and their use in immunocytochemistry. In: Neuronal Serotonin (Eds N. N. Osborne and M.Hamon). John Wiley and Sons Ltd., pp 1-23.
2. Tison F, Geffard M, Henry P. (1990) Tryptamine is found closely associated to the serotonergic pathways when using an immunohistochemical method of detection in the rat central nervous system. *Biogenic Amines* 7:235-248.
3. Dabadie H, Mons N, Geffard M (1990) Simultaneous detection of tryptamine and dopamine in rat substantia nigra and raphe nuclei using specific antibodies. *Brain Res* 512:138-142.
4. Dabadie H and Geffard M. (1993) Identification of tryptamine and tryptamine-serotonin neurons in the rat dorsal raphe nuclei using specific antibodies. *Synapse* 14:178-183.

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