Rabbit Anti-Conjugated 5-hydroxytryptophan pAb

Catalog No. PA2011 **Quantity:** 100 µl

Description: Polyclonal antisera were raised in rabbits after immunization with the conjugates: 5-Hydroxytryptophan-Glutaraldehyde-Carriers.

Purity: Antiserum previously preabsorbed on protein carriers, and purified

Form: Lyophilized

Host: Rabbit

Immunogen: Synthetic 5-Hydroxytryptophan conjugated to protein carrier (Pc)

Target: Conjugated 5-Hydroxytryptophan

Isotype: IgG

Specificity: Using a conjugate tyramine-(Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds :

Compound	Cross-reactivity ratio (a)
5-Hydroxytryptophan-G-(Pc)	1
5-Methoxytryptophan-G-(Pc)	1/2,000
L-Tryptophan-G-(Pc)	1/50,000
5-Hydroxytryptamine-G-(Pc)	1/50,000
Tryptamine-G-(Pc)	1/>50,000
free 5-Hydroxytryptophan	1/>50,000

(a) : 5-Hydroxytryptophan-G-(Pc) concentration/other conjugated indolealkylamines concentration at half displacement ; G = Glutaraldehyde

Applications: Immunocytochemistry. Optimal dilutions should be determined by each laboratory for each application.

Storage & Stability: Lyophilized vial must be stored at 4°C in a dry area. After reconstitution with 50µl of distilled water and 50µl of glycerol, the aliquot can be stored at -20°C, and is stable at least 2 years.

Research Areas: Neurobiology, Pharmacology, Biochemistry, Neurodegenerative diseases

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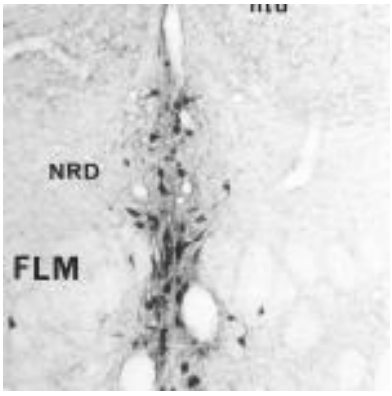
5-Hydroxy-Tryptophan immunoreactive neurons and fibers in the rat nucleus raphe dorsalis (nrd) visualized with Polyclonal anti-conjugated 5-Hydroxy-Tryptophan antibodies Scale bar: 100µm. (FLM: fasciculus longitudinalis medialis; ntd: nucleus tegmenti dorsalis)



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