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Anti-Conjugated Melatonin
RABBIT POLYCLONAL

Catalog Number: AB-T079
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic 5-Methoxytryptamine glutaric anhydride conjugated to bovine serum albumin

Specificity and Preparation:

This antibody targets conjugated melatonin. **This antibody does not recognize free melatonin.** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. Using a conjugate 5-Methoxytryptamine-Glutaric anhydride-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
5-Methoxytryptamine-GA-BSA	1
5-Hydroxytryptamine-GA-BSA	1/>7,500
DL 5-Methoxytryptophan-GA-BSA	1/>9,500
Tryptamine-GA-BSA	1/>50,000
5-Methoxytryptamine-G-BSA	1/>50,000

G = Glutaraldehyde, GA=Glutaric anhydride, BSA = Bovine Serum Albumin

§ 5-Methoxytryptamine-GA-BSA concentration/conjugated close structure concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/2,000-1/10,000). 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-AG-BSA

To view protocol(s) for this and other products please visit: www.ATSBio.com/support/protocols