



10451 ROSELLE STREET, #300, SAN DIEGO, CA 92121  
TELEPHONE (858) 642-1988 • FAX (858) 642-1989  
WWW.ATSBIO.COM • ATS@ATSBIO.COM

**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

**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/protocols](http://www.ATSBio.com/protocols)**