

Rabbit Anti-Conjugated Melatonin pAb

Catalog No.	PA2116	Quantity:	100 µl
Alternate Names:	5-methoxy-N-acetyltryptamine, N-Acetyl-5-methoxytryptamine		
Description:	Rabbit Anti-Conjugated Melatonin pAb consists of 1.0 mg total IgG and 0.1 mg antigen specific IgG.		
Concentration:	1.0 mg/ml of antigen specific IgG after reconstitution		
Specificity:	Conjugated melatonin		
Host:	Rabbit		
Immunogen:	Synthetic 5-Methoxytryptamine glutaric anhydride conjugated to BSA		
Isotype:	IgG		
Formulation:	Lyophilized		
Purification:	IgGs were purified from antiserum that had been pre-absorbed against BSA.		
Reconstitution:	Centrifuge vial prior to opening. It is critical to use the following sequence when reconstituting this antibody: dissolve antibody in 50 µl sterile distilled water, then add 50 µl glycerol.		
Cross-Reactivity:	<p>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:</p> <p>5-Methoxytryptamine-GA-BSA: Cross-reactivity ratio of 1</p> <p>5-Hydroxytryptamine-GA-BSA: Cross-reactivity ratio of 1: >7,500</p> <p>DL 5-Methoxytryptophan-GA-BSA: Cross-reactivity ratio of 1: > 9,500</p> <p>Tryptamine-GA-BSA: Cross-reactivity ratio of 1: >50,000</p> <p>5-Methoxytryptamine-G-BSA: Cross-reactivity ratio of 1: >50,000</p> <p>Ratio calculated as 5-Methoxytryptamine-GA-BSA concentration/conjugated close structure concentration at half displacement.</p>		
Applications:	Western Blot Immunocytochemistry		
Application Notes:	<p>For Western Blot use a working dilution of 1:1,000-1:2,000.</p> <p>For Immunocytochemistry use a working dilution of 1:1,000-1:5,000.</p> <p>The optimal concentration should be determined by the user for each specific application.</p>		
Storage & Stability:	Store lyophilized antibody at 2-4°C. Reconstituted antibody is stable for at least 2 years in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

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