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**Anti-Conjugated NO<sub>2</sub>-Serotonin  
RAT POLYCLONAL**

**Catalog Number:** AB-T111  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rat  
**Immunogen:** Synthetic NO<sub>2</sub>-Serotonin conjugated to bovine serum albumin

**Specificity and Preparation:**

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated NO<sub>2</sub>-Serotonin. **This antibody does not recognize free NO<sub>2</sub>-Serotonin.** Using a conjugate NO<sub>2</sub>-Serotonin-Glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND                        | CROSS REACTIVITY § |
|---------------------------------|--------------------|
| NO <sub>2</sub> -5HT-G-BSA      | 1                  |
| 5HT-G-BSA                       | 1/>100,000         |
| NO <sub>2</sub> -5HT            | 1/>100,000         |
| NO-5HT-G-BSA                    | 1/>100,000         |
| NO-Cystein-G-BSA                | 1/>100,000         |
| NO-Tryptophan-G-BSA             | 1/>100,000         |
| NO-Tyrosine-G-BSA               | 1/>100,000         |
| NO <sub>2</sub> -Tyrosine-G-BSA | 1/>100,000         |

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ NO<sub>2</sub>-Serotonin-G-BSA concentration/unconjugated or conjugated close-related compounds concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/1,000-1/5,000), immunohistochemistry / immunocytochemistry (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. 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.

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