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**Anti-Conjugated Tyramine
RAT POLYCLONAL**

Catalog Number: AB-T072
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic tyramine conjugated to bovine serum albumin

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

This antibody targets conjugated tyramine. **This antibody does not recognize free tyramine.**

Using a conjugate tyramine-glutaraldehyde-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Tyramine-G-BSA	1
Dopamine-G-(Pc)	1/300
Tyrosine-G-(Pc)	1/>50,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ Tyramine-G-BSA concentration/other conjugated catecholamine concentration at half displacement.

Usage and Storage:

Applications include ELISA (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.

Available Control(s): Tyramine-G-BSA

References:

1. Geffard M, Seguela P, Heinrich-Rock A M (1984) Antisera against catecholamines: specificity studies and physicochemical data for anti-dopamine and anti-p-tyramine antibodies. Mol Immunol 21:515-522.

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