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**Anti-Conjugated Tyrosine
RAT POLYCLONAL**

Catalog Number: AB-T031
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic tyrosine conjugated to protein carrier

Specificity and Preparation:

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

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

Using a conjugate tyrosine-protein carrier (Pc), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
Tyrosine-G-(Pc)	1
L-DOPA-G-(Pc)	1/400
Phenylalanine-G-(Pc)	1/1,000
Dopamine-G-(Pc)	1/>50,000
Noradrenaline-G-(Pc)	1/>50,000

G = Glutaraldehyde

§ Tyrosine-G-(Pc) concentration/other conjugated catecholamine/amino acid 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): L-Tyrosine-G-BSA

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