



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

**Anti-Conjugated NO₂-Tyrosine-Diaminopentane
RAT POLYCLONAL**

Catalog Number: AB-T112
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic NO₂-Tyrosine conjugated to bovine serum albumin

Specificity and Preparation:

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated NO₂-Tyrosine mimicking this hapten in proteins.

Using a conjugate NO₂-Tyrosine-DP-G-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
NO ₂ -tyrosine-DP-G-BSA	1
NO-tyrosine-DP-G-(Pc)	1/270
Tyrosine-DP-G-(Pc)	1/>50,000
NO ₂ -tyrosine-G-(Pc)	1/>50,000
NO ₂ -tyrosine	1/>50,000

G = Glutaraldehyde, DP = diaminopentane, BSA = bovine serum albumin

§ NO₂-tyrosine-DP-G-BSA concentration/unconjugated or conjugated amino acid concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/1,000-1/5,000), immunocytochemistry, immunohistochemistry, 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): NO₂-Tyrosine-DP-G-BSA

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