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**Anti-Conjugated D-Tyrosine  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T053  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic D-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 D-Tyrosine. **This antibody does not recognize free D-Tyrosine.**

Using a conjugate D-Tyrosine-Glutaraldehyde-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

COMPOUND	CROSS REACTIVITY §
D-Tyrosine-G-BSA	1
D.Phenyl.Alanine-G-BSA	1/>700
D-Tryptophan-G-BSA	1/>1,300
Tyramine-G-BSA	1/>6,000
L-Tyrosine-G-BSA	1/>7,000

G = Glutaraldehyde, BSA = Bovine Serum Albumin

§ D-Tyrosine-G-BSA concentration/conjugated amino acids concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/2,000-1/10,000) and immunohistochemistry / immunocytochemistry. No immunoreactive structures against this molecule were found in the brainstem and diencephalon of the rat. 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):** D-Tyrosine-G-BSA

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