



### Anti-Conjugated Tyrosine RABBIT POLYCLONAL

**Catalog Number:** AB-T030  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic tyrosine conjugated to bovine serum albumin

**Specificity & 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-BSA, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

**Usage:** 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.

**Storage:** 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.

COMPOUND	CROSS REACTIVITY §
Tyrosine-G-BSA	1
Phenylalanine-G-BSA	1/6,000
Tryptophan-G-BSA	1/35,000
Tyrosine-GA-BSA	1/>50,000
Tyrosine	1/>50,000

G = Glutaraldehyde, GA = Glutaric anhydride, BSA = Bovine Serum Albumin

§ Tyrosine-G-BSA concentration/unconjugated or conjugated catecholamine concentration at half displacement.



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#### Selected References:

1. Trottier S, Geffard M, Evrard B (1989) Co-localization of tyrosine hydroxylase and GABA immunoreactivities in human cortical neurons. *Neurosci Lett* 106:76-82.
2. Kitahama K, Geffard M, Okamura H, Nagatsu I, Mons N, Jouvett M (1990) Dopamine and DOPA-immunoreactive neurons in the cat forebrain with reference to tyrosine hydroxylase-immunohistochemistry. *Brain Res* 518:83-94.

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