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**Anti-Conjugated GABA (Gamma-Aminobutyric acid)  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T10  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol.  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** synthetic GABA conjugated to bovine serum albumin

**Specificity and Preparation:**

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated GABA (Gamma-Aminobutyric acid).

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

COMPOUND	CROSS REACTIVITY §
GABA-G-BSA	1
β-Alanine-G-(Pc)	1/10,000
Glycine-G-(Pc)	1/20,000
D-Aspartate-G-(Pc)	1/>50,000
D-Glutamate-G-(Pc)	1/>10,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ GABA-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 (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):** Corresponding antigen.

**References:**

1. Philippe E, Gaulin F, Delagrave C, Geffard M. (1990) Expression of GABA-immunoreactivity by spinal motoneurons of some vertebrates. *Neurosci Lett* 116:12-16.
2. Trottier S, Geffard M, Evrard B. (1989) Co-localization of tyrosine hydroxylase and GABA immunoreactivities in human cortical neurons. *Neurosci Lett* 106:76-82.
3. Buijs RM, Van Vulpen EHS, Geffard M. (1987) Ultrastructural localization of GABA in the supraoptic nucleus and neural lobe. *Neurosci* 20:347-355.

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