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Anti-Conjugated Glycine
RABBIT POLYCLONAL

Catalog Number: AB-T023
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic glycine conjugated to bovine serum albumin

Specificity and Preparation:

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

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

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

COMPOUND	CROSS REACTIVITY §
Glycine-G-BSA	1
β-Alanine-G-(Pc)	1/100
GABA-G-(Pc)	1/500
Taurine-G-(Pc)	1/1,000
Aspartate-G-(Pc)	1/20,000
Glutamate-G-(Pc)	1/>20,000
Glycine	1/>50,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ Glycine-G-BSA concentration/unconjugated or conjugated amino acids 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): Glycine-G-BSA

References:

1. Campistron G, Buijs RM, Geffard M (1986) Glycine neurons in the brain and spinal cord. Antibody production and immunocytochemical localization. Brain Res 376(2):400-405.
2. Peyret D, Campistron G, Geffard M, Aran JM (1987) Glycine immunoreactivity in the brainstem auditory and vestibular nuclei of the guinea pig. Acta Otolaryngol 104(1-2):71-76.

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