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Anti-Conjugated Taurine RABBIT POLYCLONAL

Catalog Number: AB-T026
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic taurine conjugated to bovine serum albumin

Specificity and Preparation:

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

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

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

COMPOUND	CROSS REACTIVITY §
Taurine-G-BSA	1
Hypotaurine-G-PL	1/15
GABA-G-PL	1/500
β-Alanine-G-PL	1/1,800
Aspartate-G-PL	1/5,000
Glycine-G-PL	1/14,000
Cysteine-G-PL	1/>20,000
Glutamate-G-PL	1/>20,000
Taurine	1/>40,000

G = Glutaraldehyde, PL = Poly-lysine, BSA = bovine serum albumin

§ Taurine-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 (1/2,000-1/5,000), 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): Taurine-G-BSA

References:

1. Campistron G, Geffard M, Buijs RM (1986) Immunological approach to the detection of taurine and immunocytochemical results. *J Neurochem* 46(3):862-868.

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