



10451 ROSELLE STREET, #300, SAN DIEGO, CA 92121
TELEPHONE (858) 642-1988 • FAX (858) 642-1989
WWW.ATSBIO.COM • ATS@ATSBIO.COM

Anti-Conjugated Tryptophan RABBIT POLYCLONAL

Catalog Number: AB-T05
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rabbit
Isotype: IgG
Immunogen: Synthetic tryptophan conjugated to bovine serum albumin

Specificity and Preparation:

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

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

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

COMPOUND	CROSS REACTIVITY §
Tryptophan-G-BSA	1
5 Hydroxytryptophan-G-(Pc)	1/106
5 Methoxytryptophan-G-(Pc)	1/251
Tryptophan=GA=(Pc)	1/444
Tryptophan	1/3,000
Tryptamine-G-(Pc)	1/11,000
5 Methoxytryptamine-G-(Pc)	1/56,000
5 Hydroxytryptamine-G-(Pc)	1/220,000

G = Glutaraldehyde, BSA = bovine serum albumin, GA = glutaric anhydride

§ Tryptophan-G-BSA concentration/unconjugated or conjugated indolealkylamine concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/1,000-1/5,000) and immunohistochemistry / immunocytochemistry (1/1,000 -1/5,000). 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): L-Tryptophan-G-BSA

References:

1. Geffard M, Dulluc J, Heinrich-Rock AM. (1985) Antisera against the indolealkylamines: tryptophan, 5-hydroxytryptophan, 5-hydroxytryptamine, 5-methoxytryptophan and 5-methoxytryptamine tested by an enzyme-linked immunosorbent assay method. *J Neurochem* 44:1221-1228.

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