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**Anti-Conjugated Riboflavin
RAT POLYCLONAL**

Catalog Number: AB-T142
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic Riboflavin conjugated to bovine serum albumin

Specificity and Preparation:

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

This antibody targets conjugated Riboflavin (vitamin B2). **This antibody does not recognize free riboflavin.**

Using a conjugate Riboflavin-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND | CROSS REACTIVITY § |
|----------------|--------------------|
| Riboflavin-BSA | 1 |
| Folic acid-BSA | 1/>2,600 |
| BSA | 1/>5,000 |

BSA = Bovine Serum Albumin

§ Riboflavin-BSA concentration/unconjugated or conjugated compound concentration at half displacement.

Usage and Storage:

Applications include ELISA (1/2,000-1/5,000) and immunohistochemistry / immunocytochemistry (frozen sections; 1/500-1/1,000). 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): Riboflavin-BSA

References:

1. Mangas A, Covenas R, Geffard K, Geffard M, Marcos P, Insausti R, Glaize G, Dabadie MP (2006) Riboflavin-like immunoreactive fibers in the monkey brain. *Anat Embryol (Berl)* 3;:1-6.

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