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**Anti-Conjugated Folic acid
RAT POLYCLONAL**

Catalog Number: AB-T147
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: Synthetic Folic acid conjugated to bovine serum albumin

Specificity and Preparation:

This antibody targets conjugated Folic acid (vitamin B9). **This antibody does not recognize free folic acid.** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. Using a conjugate Folic acid-Protein Carrier (BSA), antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

| COMPOUND | CROSS REACTIVITY § |
|--------------------------|--------------------|
| Folic acid-BSA | 1 |
| Folinic acid-BSA | 1/>900 |
| Tetrahydrofolic acid-BSA | 1/>2,000 |
| Methotrexate-BSA | 1/>50,000 |
| Riboflavin-BSA | 1/>50,000 |
| BSA | 1/>50,000 |

BSA = Bovine Serum Albumin

§ Folic acid-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): Folic acid-BSA

References:

1. Mangas A, Covenas R, Geffard K, Geffard M, Marcos P, Insausti R, Dabadie MP (2004) Folic acid in the monkey brain: an immunocytochemical study. *Neurosci Lett* 362(3):258-261.

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