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**Anti-Conjugated Thiamine  
RAT POLYCLONAL**

**Catalog Number:** AB-T141  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rat  
**Isotype:** IgG  
**Immunogen:** Synthetic Thiamine conjugated to bovine serum albumin

**Specificity and Preparation:**

This antibody targets conjugated thiamine (vitamin B1). **This antibody does not recognize free thiamine.** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

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

<b>COMPOUND</b>	<b>CROSS REACTIVITY §</b>
Thiamine-BSA	1
Folic acid-BSA	1/>80
Thioctic acid-BSA	1/>50,000

BSA = Bovine Serum Albumin  
§ Thiamine-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):** Thiamine-BSA

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