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**Anti-Conjugated Ascorbic Acid  
RAT POLYCLONAL**

**Catalog Number:** AB-T151  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rat  
**Isotype:** IgG  
**Immunogen:** Synthetic Ascorbic Acid conjugated to bovine serum albumin

**Specificity and Preparation:**

Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation. This antibody targets conjugated Ascorbic Acid (vitamin C). **This antibody does not recognize free ascorbic acid.**

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

COMPOUND	CROSS REACTIVITY §
Ascorbic acid-BSA	1
Dihydroascorbic acid-BSA	1
D-isoascorbic acid-BSA	1/2,000

BSA = Bovine Serum Albumin

§ Ascorbic acid-BSA concentration/conjugated compound concentration at half displacement.

**Usage and Storage:**

Tested applications include immunocytochemistry. Optimal dilutions should be determined by each laboratory for each application. Fixation for use with these antibodies should be done with glutaraldehyde. Protocols for other potential applications can be found on the website: <http://atsbio.com/support/protocols>. 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):** Ascorbic acid-BSA

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