



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

**Anti-Conjugated L-Glutamine  
RAT POLYCLONAL**

**Catalog Number:** AB-T13  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rat  
**Isotype:** IgG  
**Immunogen:** Synthetic L-glutamine conjugated to bovine serum albumin

**Specificity and Preparation:**

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

This antibody targets conjugated L-glutamine. **This antibody does not recognize free L-glutamine.**

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

COMPOUND	CROSS REACTIVITY §
L-Glutamine-G-BSA	1
L-Asparagine-G-BSA	1/>50,000
L-Lysine-G-BSA	1/>50,000
L-Glutamate-G-BSA	1/>50,000

G = Glutaraldehyde, BSA = Bovine Serum Albumine

§ L-Glutamine-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/1,000-1/5,000) and immunoblotting (western blot 1/1,000-1/2,000). 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-Glutamine-G-BSA

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