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**Anti-Conjugated D-Aspartic Acid (D-Aspartate)  
RABBIT POLYCLONAL**

**Catalog Number:** AB-T046  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic D-aspartic 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 D-aspartic acid. **This antibody does not recognize free D-Aspartic acid.**

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

COMPOUND	CROSS REACTIVITY §
D-aspartic acid-G-BSA	1
L-Aspartic acid-G-(Pc)	1/>10,000
D-Glutamic-G-(Pc)	1/>50,000
L-Glutamic-G-(Pc)	1/>50,000
N-Methyl-D-Aspartic acid	1/>50,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ D-aspartic acid-G-BSA concentration/unconjugated or conjugated amino acids concentration at half displacement.

**Usage and Storage:**

Applications include ELISA (1/1,000-1/5,000), immunocytochemistry, immunohistochemistry, 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):** D-Aspartate-G-BSA

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