

**Anti-Conjugated L-Arginine**  
RABBIT POLYCLONAL

**Catalog Number:** AB-T126  
**Quantity:** 50 microliters  
**Format:** Lyophilized and reconstituted with deionized water / 50% glycerol  
**Host:** Rabbit  
**Isotype:** IgG  
**Immunogen:** Synthetic L-arginine conjugated to bovine serum albumin

**Specificity & Preparation:** Antiserum previously preabsorbed on protein carriers and purified by ammonium sulfate precipitation.

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

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

**Usage:** Applications include ELISA (1/1,000-1/5,000), immunoblotting (western blot 1/1,000-1/2,000), immunohistochemistry, and immunocytochemistry. 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.

**Storage:** 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 5-10 seconds in a microfuge before use.

COMPOUND	CROSS REACTIVITY §
Arginine-G-BSA	1
Glutamine-G-(Pc)	1/>100,000
Asparagine-G-(Pc)	1/>100,000
Lysine-G-(Pc)	1/>100,000

G = Glutaraldehyde, BSA = bovine serum albumin

§ Arginine-G-BSA concentration/other conjugated amino acids concentration at half displacement.

**Selected References:**

1. King MG, Geffard MR, Chavreau J, Gaffori O, Le Moal M, Muiyard JP (1981) Des-tyr-gamma-endorphin (DT gamma E) and pineal levels of melatonin and arginine vasopressin (AVP). Eur J Pharmacol. 76(2-3):271-274.
2. King MG, Stinus L, le Moal M, Geffard M (1982) Central administration of arginine vasotocin: effects on exploratory behavior in the rat. Psychopharmacology (Berl) 76(1):40-43.

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