

Product datasheet for **AP05344PU-N**

Corticosterone Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA: 1/500 -1/10.000
Reactivity:	Broad
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Corticosterone 3 -BSA conjugate
Specificity:	<p>This antibody is specific for Corticosterone, a steroid hormone which is produced by the adrenal gland. It is the major glucocorticoid in many species, having a role in stress response and immune reactions.</p> <p>This antibody show minimal cross-reactivity with the following related hormones:</p> <p>11-Deoxycorticosterone: 1%</p> <p>Cortisol: 0.1%</p> <p>Progesterone: 0.02%</p> <p>Testosterone: < 0.01%</p>
Formulation:	<p>PBS, pH 7.2</p> <p>State: Purified</p> <p>State: Liquid purified IgG fraction</p> <p>Preservative: 0.09% Sodium Azide</p>
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	<p>Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

Corticosterone is a steroid hormone secreted by the outer layer, or cortex, of the adrenal gland . Classed as a glucocorticoid, corticosterone helps regulate the conversion of amino acids into carbohydrates and glycogen by the liver, and helps stimulate glycogen formation in the tissues. Corticosterone is similar in structure, although somewhat less potent, than the other glucocorticoids cortisol and cortisone . It is produced in response to stimulation by the pituitary substance adrenocorticotrophic hormone (ACTH). In some species, but not in humans, corticosterone is the predominant glucocorticoid secreted by the adrenal. It is a precursor in the synthesis of aldosterone , another adrenal cortical steroid.