

Product datasheet for **AP05396PU-N**

Cortisol Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	ELISA (1/500-1/2500 as a recommended dilution).
Reactivity:	Broad
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Cortisol-21-hemisuccinyl-KLH/BSA/Fetuin mixture.
Specificity:	This antibody recognizes the Glucocorticoid Hormone Cortisol, produced in the adrenal cortex and involved in responses to stress. The following cross reactivities have been observed: Cortisol: 100% Corticosterone: > 90%
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide State: Ig Fraction State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Cortisol is the most potent glucocorticoid produced by the human adrenal. It is synthesized from cholesterol and its production is stimulated by pituitary adrenocorticotrophic hormone (ACTH) which is regulated by corticotropin releasing factor (CRF). ACTH and CRF secretions are inhibited by high cortisol levels in a negative feedback loop. In plasma a majority of cortisol is bound with high affinity to corticosteroid binding globulin (CBG or transcortin). Cortisol acts through specific intracellular receptors and affects numerous physiologic systems including immune function, glucose counter regulation, vascular tone, and bone metabolism.

Synonyms:

Hydrocortisone