OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for BP393

Cortisol Donkey Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, R
Recommended Dilution:	**ELISA:** 1/100. **Radioimmunoassays:** 1/100.
Reactivity:	Human
Host:	Donkey
Clonality:	Polyclonal
Immunogen:	Cortisol-3-(Ocarboxymethyl)oxime-BSA.
Specificity:	This antibody recognizes the Glucocorticoid Hormone Cortisol, that is produced in the adrenal cortex and is involved in responses to stress. Cross Reactivities of this antibody: Cortisol: 100% Prednisolone: 38% 11-Deoxycortisol: 2.5% 17a-OHP: 0.4% Corticosterone: < 0.1% Cortisone: 23%
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody 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.

View online »

Background: Cortisol is the most potent glucocorticoid produced by the human adrenal. It is synthesized from cholesterol and its production is stimulated by pituitary adrenocorticotropic 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 transcotin). Cortisol acts through specific intracellular receptors and affects numerous physiologic systems including immune function, glucose counter regulation, vascular tone, and bone metabolism.

Synonyms: Hydrocortisone

Note:

1. Johansen, I.B. et al. (2011) Cortisol response to stress is associated with myocardial remodeling in salmonid fishes. J Exp Biol. 214: 1313-21.