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AP09689PU-L Polyclonal Antibody to Cortisone - Ig Fraction

Alternate names:	11, 11, 17alpha, 17alpha-Hydroxy-11-dehydrocorticosterone, 20-trione, 20-trione, 21-Dihydroxy-4-pregnene-3, 21-diol-3, 4-Pregnene-17alpha
Quantity:	1 ml
Concentration:	7.2mg/ml (U.V.abs @ 280nm)
Background:	Cortisone is a hormone. Chemically it is a corticosteroid with formula C21H28O5 and IUPAC name 17-hydroxy-11-dehydrocorticosterone. It is closely related to corticosterone. Cortisone and adrenaline are the main hormones released by the body as a reaction to stress. They elevate blood pressure and prepare the body for a fight or flight response.
	Cortisone is the inactive precursor molecule of the active hormone cortisol. It is activated through hydroxylation of the 11-keto-group by an enzyme called 11-beta- steroid dehydrogenase. The active form cortisol is thus sometimes referred to as hydrocortisone. Cortisone is sometimes used as a drug to treat a variety of ailments.
Host / Isotype:	Sheep / IgG
Immunogen:	Cortisone-BTG
Format:	State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures Buffer System: 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 containing 0.09% Sodium Azide as preservative
Applications:	ELISA: 1.25µg/ml; 10 ng/ml cortisone produces 73% inhibition in a competitive ELISA, employing cortisone polyclonal antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Cortisone.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.