

Product datasheet for **BP233**

Aldosterone Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: Used in a competitive ELISA with 400 ng of Aldosterone-3-BSA per well. Immunohistochemistry on Frozen Sections: Use at 1/25-1/200 depending on detection system. Overnight incubation at 4°C is recommended.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Aldosterone-3-CMO-BSA
Specificity:	This antibody is specific for Aldosterone, a hormone produced by the adrenal glands that helps regulate blood pressure through increasing both the release of potassium and the uptake of water and sodium by the kidneys. Cross-Reactivity: Aldosterone: 100% Androstenedione: < 1% Corticosterone: < 1% DHEA: < 1% Desoxycorticosterone: < 1%
Formulation:	PBS buffer containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
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:

Aldosterone is a steroid hormone (mineralocorticoid family) produced by the outer-section (zona glomerulosa) of the adrenal cortex in the adrenal gland to regulate sodium and potassium balance in the blood. It is synthesized from cholesterol by aldosterone synthase, which is absent in other sections of the adrenal gland.

It acts in the kidney promoting the reabsorption of sodium ions (Na^+) into the blood. Water follows the salt and this helps maintain normal blood pressure. It also acts on sweat glands to reduce the loss of sodium in perspiration and taste cells to increase the sensitivity of the taste buds to sources of sodium.

Note:

This antibody has been cross-absorbed with BSA.