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Performance
guaranteed

Epiandrosterone Polyclonal Antibody

Catalog Number   PA1-75128

Product data sheet

Details

Size	1 mg
Host/Isotope	Sheep / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Epiandrosterone(17)-BTG
Conjugate	Unconjugated
Form	Liquid
Purification	purified
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles

Species Reactivity

Species reactivity	Chemical

Tested Applications	**Dilution ***
ELISA (ELISA)	5-10 µg/mL

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

PA1-75128 specifically detects Epiandrosterone. PA1-75128 has been successfully used in ELISA applications. The PA1-75128 immunogen is Epiandrosterone(17)-BTG.

Background/Target Information

Epiandrosterone is a dehydroepiandrosterone metabolite and a precursor of testosterone and estradiol with hypolipidemic and anabolic property. Epiandrosterone, a potential neurosteroid, appears to bind to the gamma-aminobutyric acid (GABA)/benzodiazepine-receptor complex (GABA-RC), acting as a negative non-competitive modulator of GABA-RC as well as signal through the N-methyl-D-aspartate receptor. In addition this agent inhibits the pentose phosphate pathway (PPP) thereby dilating blood vessels pre-contracted by partial depolarization. Also, epiandrosterone inhibits the synthesis of thromboxane A2 in activated platelets, reduces plasma plasminogen activator inhibitor type 1 and tissue plasminogen activator antigen, increases serum levels of insulin-like growth factor 1 and increases cyclic guanosine monophosphate and nitric oxide synthesis. These effects may improve circulation in the microvasculature. [National Center for Biotechnology Information. PubChem Compound Database; CID=441302].

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