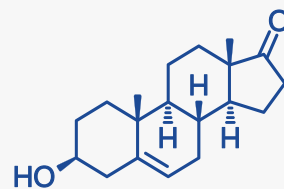


# Anti-DHEA rabbit recombinant monoclonal antibody



Dehydroepiandrosterone (DHEA) is an endogenous steroid hormone produced by the adrenal glands as a precursor of estrogens and androgens, with levels declining with age. DHEA acts as a neurosteroid that modulates GABA-A, NMDA, and sigma-1 receptors, influencing neuronal excitability, mood, synaptic plasticity, and neuroprotective pathways. These neuroactive properties link DHEA to roles in stress response and cognitive processes<sup>1</sup>. The DHEA test evaluates adrenal function and assists in diagnosing hyperandrogenism, PCOS, adrenal tumors, adrenal insufficiency, and pubertal disorders. We offer ultra-high-affinity rabbit recombinant monoclonal antibodies against DHEA, available either as ready-to-use recombinant proteins (including BSA conjugate) or through licensing.



## Antibody specification

- Target**  
DHEA
- Immunogen**  
VLP-DHEA
- Target type**  
Small molecule
- Clonality**  
Monoclonal
- Isotype**  
IgG-Kappa 1
- Class**  
Recombinant
- Host**  
Rabbit
- Conjugation**  
Upon request
- Expression system**  
Mammalian
- Purification**  
Protein A
- Concentration**  
1 mg/ml
- Storage buffer**  
PBS
- Storage**  
Short term: +4°C  
Long term: -80°C
- Field**  
Hormone
- Applications**
  - ELISA, CLIA, RIA, etc.
  - Lateral flow assay

## Conjugate specification

- Conjugate**
  - BSA-DHEA
  - Reactive hapten (upon request)
- Concentration**  
1 mg/ml
- Storage buffer**  
PBS
- Storage**  
-20°C or below

## Clone information

Clone #	Affinity ± SD (nM)	Cross-reactivity ± SD (%)		
	DHEA	DHEAS*	Androstenedione	Pregnenolone
DB-201349	0.8 ± 0.1	0.008 ± 0.001	0.05 ± 0.01	0.004 ± 0.002
DB-201352	0.35 ± 0.08	0.009 ± 0.002	0.28 ± 0.07	0.019 ± 0.008
DB-201353	0.15 ± 0.01	0.008 ± 0.001	0.18 ± 0.09	0.22 ± 0.06
DB-201355	0.34 ± 0.03	0.053 ± 0.009	0.7 ± 0.2	0.11 ± 0.06
DB-201357	0.74 ± 0.06	0.008 ± 0.001	0.085 ± 0.009	0.07 ± 0.03
DB-201358	0.27 ± 0.02	0.008 ± 0.001	0.36 ± 0.06	0.006 ± 0.002

\*DHEAS – Dehydroepiandrosterone sulfate

## Literature

1. Lin, Hsin-Yi, Jie-Hong Chen, and Kuo-Hu Chen. "The sex hormone precursors dehydroepiandrosterone (DHEA) and its sulfate ester form (DHEAS): molecular mechanisms and actions on human body." International journal of molecular sciences 26.17 (2025): 8568.

## Contact us



DIANA Biotechnologies  
Průmyslová 596  
252 50 Vestec  
Czech Republic



antibodies@dianabiotech.com



www.dianabiotech.com

