

A15016

Leader in Biomolecular Solutions for Life Science



AANAT Rabbit pAb

Catalog No.: A15016

Basic Information

Observed MW

Calculated MW
23kDa

Category
Polyclonal Antibody

Applications
ELISA

Cross-Reactivity
Human

Background

The protein encoded by this gene belongs to the acetyltransferase superfamily. It is the penultimate enzyme in melatonin synthesis and controls the night/day rhythm in melatonin production in the vertebrate pineal gland. Melatonin is essential for the function of the circadian clock that influences activity and sleep. This enzyme is regulated by cAMP-dependent phosphorylation that promotes its interaction with 14-3-3 proteins and thus protects the enzyme against proteasomal degradation. This gene may contribute to numerous genetic diseases such as delayed sleep phase syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

Immunogen Information

Gene ID	Swiss Prot
15	Q16613

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-207 of human AANAT (NP_001079.1).

Synonyms
DSPS; SNAT; AANAT

Contact

 | www.abclonal.com

Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.