

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

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

15

Swiss Prot

Q16613

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

DSPS; SNAT; AANAT

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.