

## Rabbit anti-Human AANAT Polyclonal Antibody | anti-AANAT antibody

AANAT Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA306563</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

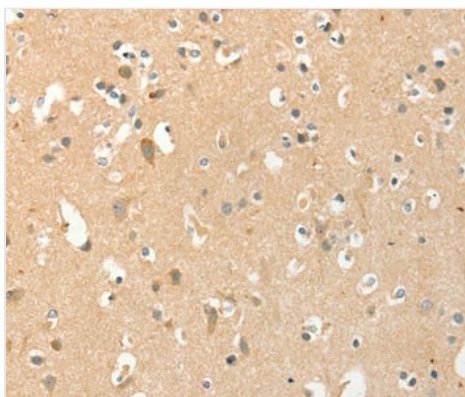
### PRODUCT SYNONYMS

AANAT; Polyclonal Antibody; AANAT Antibody; DSPS; SNAT; anti-AANAT antibody

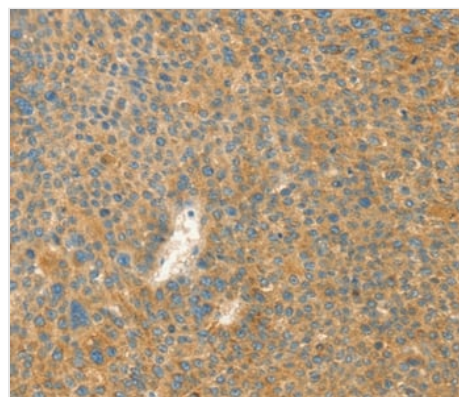
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                            |
| Reactivity                                      | Human                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                        |
| Specificity                                     | The antibody detects endogenous levels of total AANAT protein.                                                    |
| Purity/Purification                             | Antigen affinity purification.                                                                                    |
| Form/Format                                     | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                   |
| Concentration                                   | 2.4 mg/ml (varies by lot)                                                                                         |
| Sequence Length                                 | 207                                                                                                               |
| Applicable Applications for anti-AANAT antibody | IHC (Immunohistochemistry)                                                                                        |
| Immunogen Type                                  | Recombinant Protein                                                                                               |
| Immunogen Description                           | Fusion protein corresponding to a region derived from internal residues of human aralkylamine N-acetyltransferase |
| Target Name                                     | AANAT                                                                                                             |
| Preparation and Storage                         | Store at -20 degree C                                                                                             |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/40.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/40.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AANAT antibody | 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. |
| Product Categories/Family for anti-AANAT antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 4501845                                 |
| NCBI GeneID                      | 15                                      |
| NCBI Accession #                 | NP_001079.1                             |
| NCBI GenBank Nucleotide #        | NM_001088.2                             |
| UniProt Accession #              | Q16613; Q562F4; A0AVF2; J3KMZ5          |
| Molecular Weight                 | 28,432 Da                               |
| NCBI Official Full Name          | serotonin N-acetyltransferase isoform 2 |
| NCBI Official Synonym Full Names | aralkylamine N-acetyltransferase        |
| NCBI Official Symbol             | AANAT                                   |
| NCBI Official Synonym Symbols    | DSPS; SNAT                              |
| NCBI Protein Information         | serotonin N-acetyltransferase           |
| UniProt Protein Name             | Serotonin N-acetyltransferase           |
| UniProt Gene Name                | AANAT                                   |
| UniProt Synonym Gene Names       | SNAT; Serotonin acetylase; AA-NAT       |
| UniProt Entry Name               | SNAT_HUMAN                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aanat-antibody-immunohistochemistry-elisa/306563>