

Product datasheet for **AM09398PU-N**

NANS Mouse Monoclonal Antibody [Clone ID: AT1G6]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | AT1G6 |
| Applications: | ELISA, WB |
| Recommended Dilution: | ELISA. Western blot (recommended dilution 1:1000). |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant human NANS (1-359aa) purified from E. coli |
| Specificity: | The antibody recognizes human NANS. Other species not tested. |
| Formulation: | PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein-G affinity chromatography |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | N-acetylneuraminate synthase |
| Database Link: | Entrez Gene 54187 Human Q9NR45 |

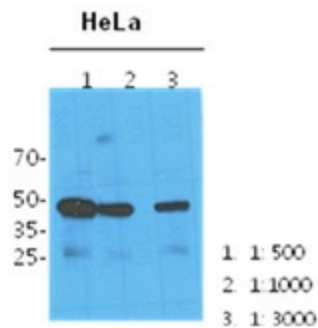
[View online »](#)

Background: NANS (Sialic acids synthase) is an enzyme that functions in the biosynthetic pathways of sialic acids. Expressed ubiquitously, NANS enzymatically catalyzes the H₂O-dependent formation of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero - D-galactononic acid (KDN), both of which are sialic acids. NANS uses N-acetylmannosamine 6-phosphate as a substrate for Neu5Ac synthesis and mannose 6-phosphate as a substrate for KDN synthesis.

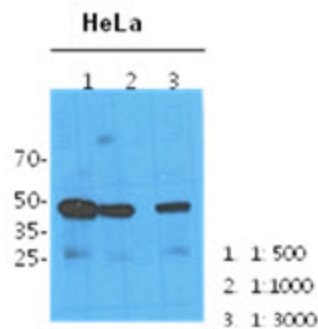
Synonyms: SAS

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Metabolic pathways

Product images:



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NANS antibody (1:100, 1:1000, 1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis The cell lysates (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NANS antibody (1:100, 1:1000, 1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.