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Product datasheet for TA358907

NANS Rabbit Polyclonal Antibody

Product data:

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Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	**Expected reactivity**: Cow, Dog, Human, Pig, Rabbit, Rat **Homology**: Cow: 86%; Dog: 79%; Human: 100%; Pig: 86%; Rabbit: 79%; Rat: 86%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	40kDa
Gene Name:	N-acetylneuraminate synthase
Database Link:	NP_061819 Entrez Gene 54187 Human Q9NR45
Background:	This gene encodes an enzyme that functions in the biosynthetic pathways of sialic acids. In vitro, the encoded protein uses N-acetylmannosamine 6-phosphate and mannose 6-phosphate as substrates to generate phosphorylated forms of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN), respectively; however, it exhibits much higher activity toward the Neu5Ac phosphate product. In insect cells, expression of this gene results in Neu5Ac and KDN production. This gene is related to the E. coli sialic acid synthase gene neuB, and it can partially restore sialic acid synthase activity in an E. coli neuB-negative mutant.

View online »

Synonyms: SAS

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

Product images:
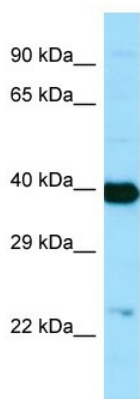
Host: Rabbit
Target Name: NANS
Antibody Dilution: 1.0ug/ml
Sample Type: Human brain