

Datasheet for ABIN651511
anti-GNE antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	GNE
Binding Specificity:	AA 580-607, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNE antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This GNE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 580-607 amino acids from the C-terminal region of human GNE.
Clone:	RB26213
Isotype:	Ig Fraction
Predicted Reactivity:	Ha, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GNE
Alternative Name:	GNE (GNE Products)

Target Details

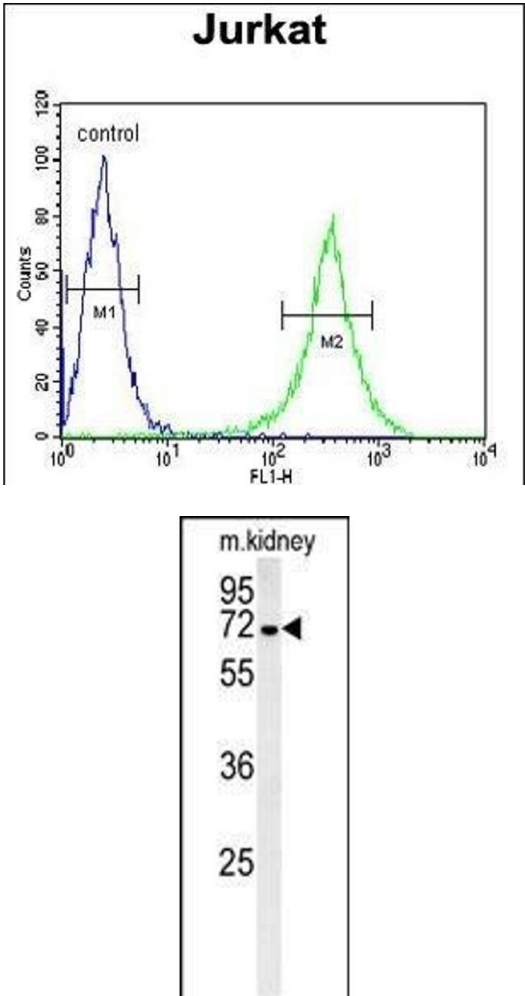
Background:	GNE is a bifunctional enzyme that initiates and regulates the biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. It is a rate-limiting enzyme in the sialic acid biosynthetic pathway. Sialic acid modification of cell surface molecules is crucial for their function in many biologic processes, including cell adhesion and signal transduction. Differential sialylation of cell surface molecules is also implicated in the tumorigenicity and metastatic behavior of malignant cells.
Molecular Weight:	79275
Gene ID:	10020
NCBI Accession:	NP_001121699 , NP_001177312 , NP_001177313 , NP_001177317 , NP_005467
UniProt:	Q9Y223

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. GNE Antibody (C-term) (ABIN651511 and ABIN2840271) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. GNE Antibody (C-term) (ABIN651511 and ABIN2840271) western blot analysis in mouse kidney tissue lysates (35 µg/lane).This demonstrates the GNE antibody detected GNE protein (arrow).