

Datasheet for ABIN6242353
anti-GARS antibody (AA 35-305)[Go to Product page](#)

2 Images

Overview

Quantity:	200 µL
Target:	GARS
Binding Specificity:	AA 35-305
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GARS antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This GARS antibody is generated from a mouse immunized with a recombinant protein between 35-305 amino acids from human GARS.
Clone:	1641CT125-1-1
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	GARS
Alternative Name:	GARS (GARS Products)
Background:	Catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine

Target Details

tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs.

Molecular Weight: 83166

UniProt: [P41250](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: WB: 1:4000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

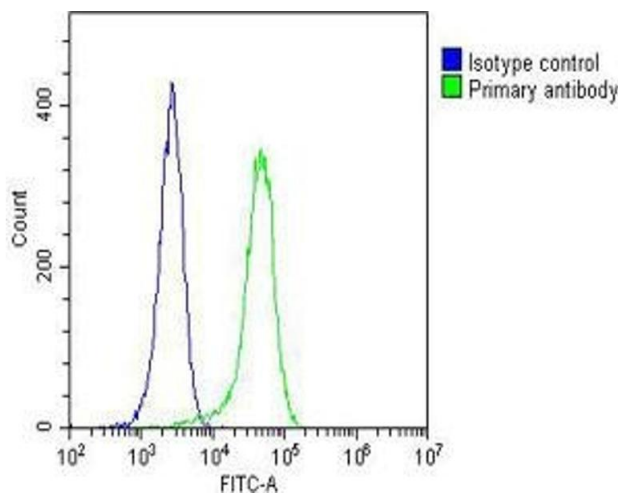
Preservative: Sodium azide

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

Expiry Date: 6 months

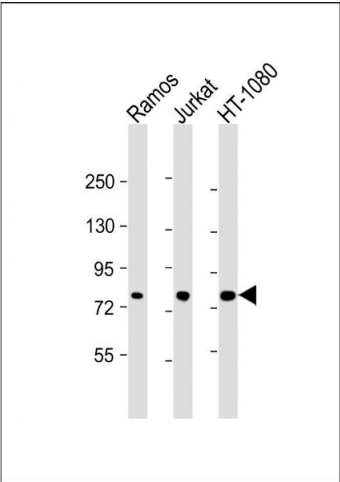
Images



Flow Cytometry

Image 1. Overlay histogram showing HeLa cells stained with (ABIN6242353 and ABIN6577183)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242353 and ABIN6577183), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-

Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-GARS Antibody at 1:4000 dilution
Lane 1: Ramos whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: HT-1080 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.