

Datasheet for ABIN390963
anti-FPGS antibody (AA 304-330)



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4 Images

Overview

Quantity:	400 µL
Target:	FPGS
Binding Specificity:	AA 304-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This FPGS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-330 amino acids from the Central region of human FPGS.
Clone:	RB21571
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FPGS
Alternative Name:	FPGS (FPGS Products)

Target Details

Background: FPGS is the folylpolyglutamate synthetase enzyme. This enzyme has a central role in establishing and maintaining both cytosolic and mitochondrial folylpolyglutamate concentrations and, therefore, is essential for folate homeostasis and the survival of proliferating cells. This enzyme catalyzes the ATP-dependent addition of glutamate moieties to folate and folate derivatives.

Molecular Weight: 64609

Gene ID: 2356

NCBI Accession: [NP_001018088](#), [NP_004948](#)

UniProt: [Q05932](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. 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.

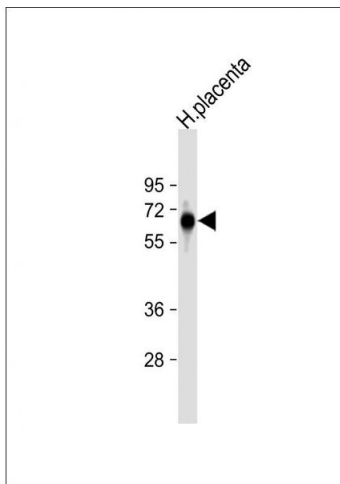
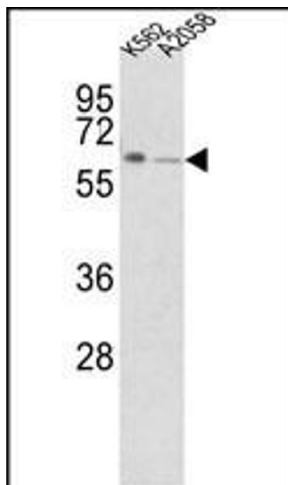
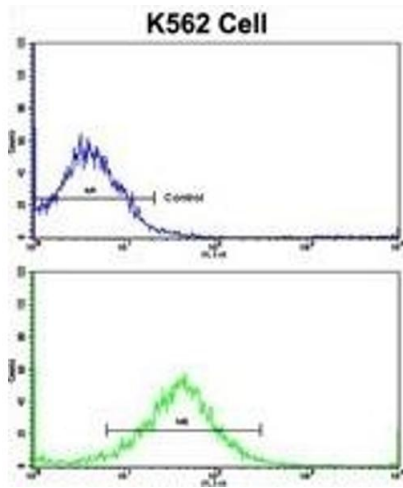
Preservative: Sodium azide

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. Flow cytometric analysis of K562 cells using FPGS Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of FPGS Antibody (Center) (ABIN390963 and ABIN2841146) in K562, cell line lysates (35 µg/lane). FPGS (arrow) was detected using the purified Pab.

Western Blotting

Image 3. Anti-FPGS Antibody (Center) at 1:1000 dilution + human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN390963.