

Datasheet for ABIN2855645

**anti-FPGS antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	FPGS
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGS antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Folylpolyglutamate synthase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to Folylpolyglutamate synthase (folypolyglutamate synthase) Folylpolyglutamate synthase antibody [N3C2], Internal
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	FPGS
Alternative Name:	folypolyglutamate synthase ( <a href="#">FPGS Products</a> )

## Target Details

**Background:** This gene encodes the folypolyglutamate synthetase enzyme. This enzyme has a central role in establishing and maintaining both cytosolic and mitochondrial folypolyglutamate 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. While several transcript variants may exist for this gene, the full-length nature of only two have been biologically validated to date. These two variants encode distinct isoforms.

Cellular Localization: Mitochondrion , Cytoplasm

**Molecular Weight:** 65 kDa

**Gene ID:** 2356

**UniProt:** [Q05932](#)

## Application Details

**Application Notes:** WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

**Comment:** Positive Control: FPGS transfected 293T

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

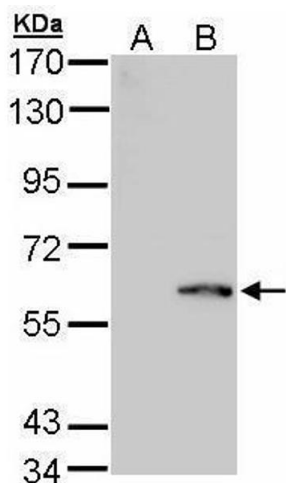
**Buffer:** 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C,-20 °C

**Storage Comment:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Western Blotting

**Image 1.** WB Image Western Blot analysis of FPGS expression in transfected 293T cell line by FPGS polyclonal antibody. A: Non-transfected lysate. B: FPGS transfected lysate. 7.5% SDS PAGE antibody diluted at 1:1000