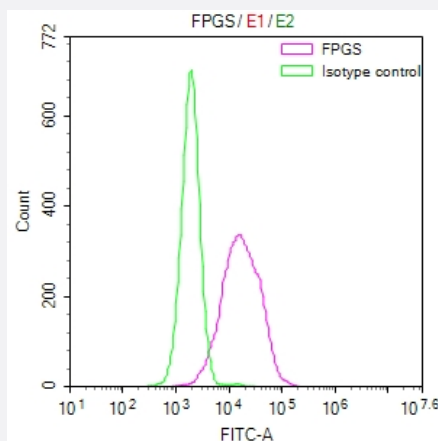


RecomAb™

FPGS recombinant monoclonal antibody, clone 30C11

Catalog # RAB07760 Size 100 uL

Applications



Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with FPGS recombinant monoclonal antibody, clone 30C11 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FPGS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FPGS.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

Storage Instruction

Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with FPGS recombinant monoclonal antibody, clone 30C11 (red line) at 1:50.

Gene Info — FPGS

Entrez GeneID
[2356](#)
Protein Accession#
[Q05932](#)
Gene Name

FPGS

Gene Alias

-

Gene Description

folypolyglutamate synthase

Omim ID
[136510](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

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 natures of only two have been biologically validated to date. These two variants encode distinct isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000022201|OTTHUMP00000022202|folypoly-gamma-glutamate synthetase|folypolyglutamate synthetase|tetrahydrofolypolyglutamate synthase

Pathway

- [Biosynthesis of phenylpropanoids](#)

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Psoriasis](#)
- [Spinal Dysraphism](#)
- [Werner syndrome](#)