

DNAxPAb

Hard-to-Find
Antibody

FPGS DNAxPab

Catalog # H00002356-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human FPGS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSRARSHLRAALFLAAASARGITTQVAARRGLSAWPVPQEPSMEYQDAVRMLNTLQTNAGYLEQ VKRQRGDPQTQLEAMELYLARSLQVEDLDRLNIHVGTGKGKGSTCAFTCEILRSYGLKTGFFRF GSGSASMGSPSVLSSSPSTSGASTTGWRRPRMAAVSPCPPTSAS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — FPGS

Entrez GeneID [2356](#)

GeneBank Accession# [BC009901](#)

Protein Accession# [no protein_acc](#)

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 nature 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](#)