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Datasheet for ABIN1699130

**anti-FPGS antibody (AA 51-150) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	FPGS
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FPGS antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FPGS/Folypolyglutamate synthase
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	FPGS
Alternative Name:	FPGS/Folypolyglutamate synthase ( <a href="#">FPGS Products</a> )
Background:	Synonyms: EC 6.3.2.17, FOLC, FOLC_HUMAN, Folypoly gamma glutamate synthetase,

## Target Details

Folypoly-gamma-glutamate synthetase, Folypolyglutamate synthase, Folypolyglutamate synthase mitochondrial, FPGS, mitochondrial, OTTHUMP00000022201, OTTHUMP00000022202, Tetrahydrofolate synthase, Tetrahydrofolypolyglutamate synthase. 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 natures of only two have been biologically validated to date. These two variants encode distinct isoforms. [provided by RefSeq, Jul 2008].

Gene ID: 2356

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months